

M&E Week 2017

ISSN 2467-6717

PartnerShape 2017:

- **S**trengthening Alliances
- **F**orging Linkages
- **T**ranscending Challenges
- **P**rogressive M&E Industries



Department of Science and Technology
Metals Industry Research and Development Center

Souvenir Program

HYBRID ELECTRIC ROAD TRAIN





**AUTOMATED
(AGT) SYSTEM**

AGT-BICUTAN
A project of
DEPARTMENT OF
SCIENCE AND TECHNOLOGY



DOST

HYBRID ELECTRIC TRAIN

FACILITIES (ATF) OF MIRDCC



Fatigue Tester



Galvano Test



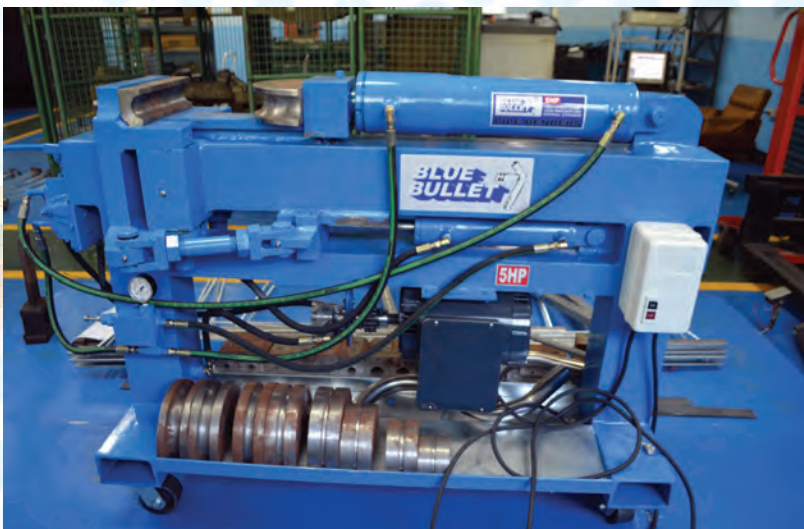
Vibration Testing Equipment



200T Universal Testing Machine



Roughness Tester



Pipe Bending Machine



Transport Body Impact Tester

MODERNIZED GUIDEWAY TRANSIT SYSTEM



AUTO-PARTS TESTING FA



High Capacity Furnace



Retraction/extraction force test stand



Friction Materials Test Machine ("Chase" machine)



Data Recorder/Analyzer with Accelerometer, Load Cell and Torque Sensor



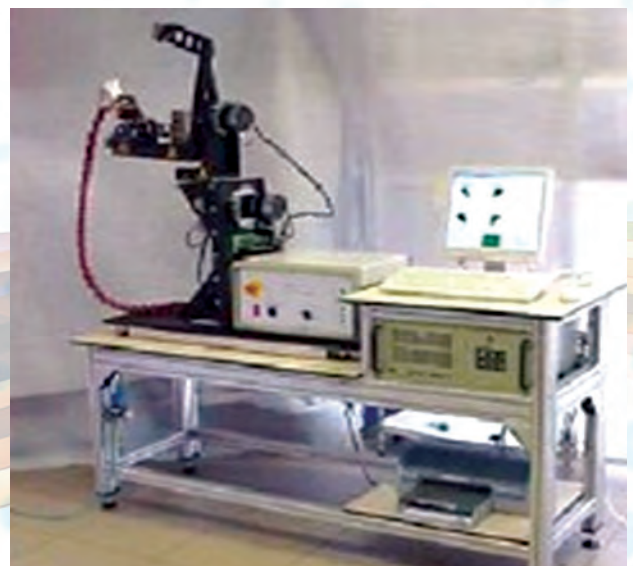
UT Thickness Gauger



X-ray Fluorescent / (PMI)



Portable Coating Thickness Tester



Retractor Tilt Locking test stand

M&E WEEK 2017

METALS INDUSTRY RESEARCH AND DEVELOPMENT CENTER

All Rights Reserved

M&E WEEK 2017

ISSN 2467-6717

Published by:



**METALS INDUSTRY RESEARCH AND DEVELOPMENT CENTER
DEPARTMENT OF SCIENCE AND TECHNOLOGY**

General Santos Avenue, Bicutan, Taguig City 1631

Republic of the Philippines

Telefax: (632) 837-0479;

Email: mirdctips@mirdc.dost.gov.ph

Message



MALACAÑAN PALACE
MANILA



My warmest greetings to the **Department of Science and Technology - Metals Industry Research and Development Center (DOST-MIRDC)** as it spearheads the observance of the **2017 Metals and Engineering (M&E) Week**.

I join DOST-MIRDC in commemorating the success of our engineers and other related professionals over the past year. The hard work you have demonstrated has enabled this sector to forge links and cement friendships with various stakeholders, resulting to a more progressive and collaborative practice.

As you join hands in this occasion, may the industry's key players become our partners for genuine and lasting change. The government has provided research grants and scholarships to scientists and innovators so they can make breakthroughs in this field.

With your help, I am confident that our innovators shall be part of reshaping the Metals & Engineering and other allied industries.

I wish you a meaningful and insightful event.

A handwritten signature in black ink, appearing to read 'Rodrigo'.

RODRIGO ROA DUTERTE

MANILA
13 June 2017

Message



NATIONAL ECONOMIC DEVELOPMENT AUTHORITY

Congratulations to the DOST - Metals Industry Research and Development Center (DOST-MIRDC) for another successful Metals and Engineering Week. This year's theme of Strengthening Alliances, Forging Linkages, and Transcending Challenges is crucial as the government begins to implement the Philippine Development Plan (PDP) 2017-2022.

The previous year saw the government discuss the long-term vision of the Filipino people called *Ambisyon Natin 2040* in several fora. This vision describes the kind of life that Filipinos aspire for, as well as how they want the country to be by 2040. Filipinos envision themselves as enjoying a stable and comfortable lifestyle, unburdened by poverty or hunger, and presented with equal opportunities.

This vision is also the anchor for development planning- the first time for any PDP to consider looking beyond the current administration and plan period. This Plan will guide the government in enhancing the social fabric, reducing inequality, and increasing potential growth.

One of the recommendations of the PDP 2017-2022 is to develop high-value added, competitive, and sustainable sectors which the local M&E industries are a part of. In the next few years or so, the government plans to increase the competitiveness, innovativeness, and resilience of industries and services.

These are exciting times for the Philippines. I hope that DOST-MIRDC, as well as the entire M&E sector will continue to support the government in its thrust to continually improve Filipinos' lives.

Mabuhay!


ERNESTO M. PERNIA
Secretary of Socioeconomic Planning

Message



DEPARTMENT OF AGRICULTURE

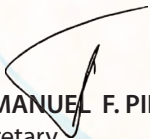


I am pleased to congratulate the Department of Science and Technology - Metals Industry Research and Development Center for successfully spearheading the 6th annual celebration of the Metals and Engineering (M&E) Week held every third week of June.

Based on the experiences of industrialized countries, we can surmount modern-day challenges and become a fully industrialized nation only if we have fully modernized our agriculture and increased rural productivity and incomes through the mastery of agricultural mechanization and engineering. It is in this context that I thank the DOST MIRDC for strengthening the metals industry's link with the agriculture sector by highlighting the latter's role in advancing the metalworking and engineering industries and achieving rural industrialization.

As President Duterte explores new paths of diplomacy and expands its network of partnerships and alliances, your theme this year is most timely and apropos: PartnerShape 2017: Strengthening Alliances, Forging Linkages, and Transcending Challenges for a Progressive M&E Industry." Confronted by old and new challenges from rural poverty to regional and global integration to climate change, we in the DA cannot overemphasize the absolute urgency of uniting all the economic stakeholders and all the sectors of society in pursuing the gargantuan task of modernizing both our agricultural and industrial sectors.

I therefore hope that, by underscoring the need for continuing multi-level, multi-agency and multi-sectoral cooperation, this M&E Week will not only be able to showcase the unique and significant feats of the metals and engineering sectors, but also achieve its goal of building up stronger linkages and revving up the progress of the metals, engineering and allied industries.


EMMANUEL F. PIÑOL
Secretary



Message




DEPARTMENT OF ENVIRONMENT AND
NATURAL RESOURCES

Under the new leadership of the Department of Environment and Natural Resources, we wish to extend our warmest greetings to the Department of Science and Technology-Metals Industry Research and Development Center (DOST-MIRDC) as it spearheads the Metals and Engineering (M&E) Week 2017.

Each year we celebrate the M&E Week in recognition of the important role of the metals and engineering industries in national development. The contributions of the M&E industries in public infrastructure projects cannot be overemphasized. Indeed, we are glad for the continued support given to the government by our local metals, engineering, and allied industries.

With the theme, "*PartnerShape 2017: Strengthening Alliances, Forging Linkages, and Transcending Challenges for Progressive M&E Industries*," may this year's M&E Week showcase the latest developments in M&E and become a venue for productive networking. More importantly, may it promote awareness on how the industry is continuously progressing as a world-class, socially-conscious, and environment-friendly industry.

Congratulation to the MIRDC!


DEMETRIOL IGNACIO, JR. CESO I
Undersecretary for Administration,
Finance and Management

Message



DEPARTMENT OF TRADE AND INDUSTRY



Greetings to the Metals Industry Research and Development Center (MIRDC) as it celebrates the Metals and Engineering (M&E) Week!

Presidential Proclamation No. 144 institutionalized M&E week as an annual event to mark the MIRDC's commitment in providing both government and private sectors with innovative tools designed to give the Philippines a competitive advantage.

To this end, the celebration theme, *PartnerShape 2017: Strengthening Alliance, Forging Linkages, and Transcending Challenges for a Progressive M&E Industries*, is a testament to the unwavering dedication of both the MIRDC - and by extension, the Department of Science and Technology (DOST) - in providing technical know-how to the M&E industries and other sectors in order to bring the country's engineering and industrial capability to the next level.

The MIDRC's programs aim to modernize the industry by forging partnerships with various industry groups to make them competitive, innovative, and able to deliver efficient services that would lead to the influx of more investments and the creation of more job opportunities in the electronics, metalworking, and die and mold industries, as well as other related sectors.

DTI is fully supportive of the partnership forged with MIRDC and DOST. We are grateful for your invaluable technical assistance and contribution to the road mapping and the implementation efforts to further boost the many industries in the Philippines.

With passion and motivation in advancing the fields of M&E, the MIRDC will not only guide industries to come up with better products and services at par with global standards, it will also help our country engineer the greatest infrastructure expansion and modernization in our bid for the *Golden Age of Infrastructure* under the administration of President Rodrigo Roa Duterte.

Thank you and *mabuhay!*


RAMON M. LOPEZ
Secretary

Message



DEPARTMENT OF SCIENCE AND TECHNOLOGY

The annual observation of the Metals and Engineering (M&E) Week serves to remind companies and organizations involved in the metals, engineering, and allied industries that through collective efforts, they are able to take firm steps within a unified strategy towards being globally competitive.

The Department of Science and Technology - Metals Industry Research and Development Center (DOST-MIRDC) has always been at the forefront supporting the local M&E and allied industries. Over the years, the DOST-MIRDC has established partnerships with the industry which is an effective way of spurring technology-based and business-driven activities. We recognize its significant role in advancing the M&E industries and in setting it at the core of nation-building.

This year's M&E Week celebration theme, "*PartnerShape 2017: Strengthening Alliances, Forging Linkages, and Transcending Challenges for a Progressive M&E Industries*," truly underlines the need for us to be in tune and in harmony with one another so that we can make every effort count. After all, it is through our sound partnership that we will be able to let our nation know what we mean when we say that science is for the people.

Congratulations for all the industries' milestones. Let us always remain inspired by the good things that we have been able to accomplish and let us work hard to reap endless benefits from science, technology, and innovation.

Mabuhay!


FORTUNATO T. DE LA PEÑA
Secretary

Message



**METALS INDUSTRY RESEARCH AND
DEVELOPMENT CENTER**



We are honored to welcome all our guests to the celebration of the 6th Metals and Engineering (M&E) Week, an event held to invigorate the industry through science, technology, and innovation-driven initiatives.

The issuance in 2011 of Presidential Proclamation No. 144, which declared the third week of June every year as M&E Week, made us proud and truly grateful. For us, it is an opportunity to present to the nation and to the world what the local metals, engineering, and allied industries are capable of doing. As the sole government agency mandated to support the M&E industries, the industries' continual advancement toward becoming more globally competitive is both our mission and fulfillment. Our success in realizing our mission also means that we are successful in assisting the M&E industries in harnessing competitive advantage and realizing their greatest potentials.

We intend our theme this year, "PartnerShape 2017: Strengthening Alliances, Forging Linkages, and Transcending Challenges for a Progressive M&E Industries," to underpin the prominent status we envision for the industries. More importantly, we want to emphasize the significant contribution that our collaborative relationships have for the attainment of this vision.

On behalf of the Department of Science and Technology-Metals Industry Research and Development Center (DOST-MIRDC), I would like to express gratitude to both our long-time and would-be industry partners for your support. You are assured of the Center's commitment to translate all our efforts to benefits for the metals, engineering, and allied industries.

Maraming salamat!

ROBERT O. DIZON
Executive Director, MIRDC

Message



**METALS INDUSTRY RESEARCH AND
DEVELOPMENT CENTER**

The Department of Science and Technology-Metals Industry Research and Development Center (DOST-MIRDC) once again takes the lead as the nation observes the 6th Metals and Engineering Week. Inspired by the theme, "PartnerShape 2017: Strengthening Alliances, Forging Linkages, and Transcending Challenges for a Progressive M&E Industries," the Center is ever-committed to marshal and help bring the local metals, engineering, and allied industries to better and more profitable performance that is worthy of the world's attention and respect.

Our line-up of activities is one that is meant for the science, technology, and innovation-hungry individuals, enterprises, and academic institutions. We organized an Open House, exhibits featuring our very own and our industry partners' technologies and services, seminars, the Technology Transfer Day, and the 2017 PartnerShape, all with the aim of providing all of us an avenue for discovering how R&D outputs and S&T services can be utilized to motivate the youth to pursue careers in science and engineering, to encourage businesses to fully exploit market opportunities, and ultimately bring out the competitiveness of the industries. As we take harmonized steps, we become stronger and emerge more empowered to prevail over present and future challenges.

With pride, we welcome you all to the 2017 M&E Week. Together, let our aspiration for global competitiveness inspire the rest of the M&E industries to heed our event call for unity that will propel us to greater heights and more significant milestones.

More power to the M&E industries!



JONATHAN Q. PUERTO

Deputy Executive Director for R&D, DOST-MIRDC
and Chair, 2017 M&E Week Committee

Message



PHILIPPINE DIE AND MOLD ASSOCIATION




In behalf of the PDMA Inc. - the Die and Mould Association of the Philippines' Board of Directors and Officers, we wish to express our congratulations to the Department of Science and Technology-Metals Industry Research and Development Center (DOST-MIRDC) for hosting another significant event, the M&E Week themed as *"PartnerShape 2017: Strengthening Alliances, Forging Linkages, and Transcending Challenges for a Progressive M&E Industries."*

We are always with you in strengthening alliances with different related industries for the advancement of the metals and engineering in the Philippines.

We, at PDMA Inc., will continuously share the same advocacy with DOST-MIRDC to create continuous linkages to overcome all the challenges that we are facing and will be encountering in the near future. We hope we will rapidly meet our goal, to be united as one in achieving a progressive M&E in the country. We, at PDMA Inc., appreciates the trust placed in us and we are confident that the DOST-MIRDC will work conscientiously and wholeheartedly to provide assistance to the M&E Industries.

Again, our sincerest congratulations to everyone in making this year's M&E Week a success!

Mabuhay!


PHILIP C. ANG
President

Message



**METALWORKING INDUSTRIES ASSOCIATION
OF THE PHILIPPINES, INC.**

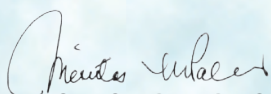
Our warmest congratulations to the Metals Industry Research & Development Center (MIRDC) for spearheading this year's observance of the Metals & Engineering Week on June 19-23, 2017.

This year's theme: PartnerShape 2017; Strengthening Alliances, Forging Linkages and Transcending Challenges is very timely and fitting as it is manifested by the tremendous efforts of MIRDC to boost and enhance collaborations with the private sector most especially with the Metalworking Industries through the years.

The Metalworking Industries Association of the Philippines is very grateful and appreciative of MIRDC's support in terms of new technologies, innovations and trainings for capability building, a major component of manufacturing.

We are looking forward for a more vibrant relationship based on mutual trust and confidence to achieve our respective goals.

We wish MIRDC the best and God Bless us all!


INESITAS L. PALERMO
National President

Message



**METALWORKING INDUSTRIES ASSOCIATION
OF THE PHILIPPINES, INC.**



Our warmest greetings to the Officers and Staff of the Department of Science and Technology - Metals Industry Research and Development Center (DOST-MIRDC).


On behalf of the Metalworking Industries Association of the Philippines-Metro Manila Chapter (MIAP-Metro Manila), I would like to congratulate the organizers and participants to the Metals & Engineering Week (M&E Week). This year's theme of "PartnerShape 2017: Strengthening Alliances, Forging Linkages and Transcending Challenges for a Progressive M & E Industries" is very appropriate to the current progress not only of our industry but of the whole Country.

With the challenges brought about by globalization, ASEAN integration and opening up borders, it is timely to strengthen alliances and forge linkages between Industry, Government and Academe.

MIAP, one of the oldest industry associations in the country, will continue to support DOST-MIRDC programs to ensure that our industry will overcome the challenges brought about by the current events and remain competitive in the region.

Again, congratulations to the TEAM at MIRDC for making this years M&E event a meaningful one and more power to you!

Mabuhay!


RENE I. DELA CRUZ
President
MIAP-Metro Manila Chapter

Message



PHILIPPINE METALCASTING ASSOCIATION, INC.

It is my honor and pleasure to extend my warm congratulations to the Metals Industry Research and Development Center for organizing such an eventful celebration of the Metals and Engineering Week.

The theme "PartnerShape 2017 : Strengthening Alliances, Forging Linkages and Transcending Challenges for a Progressive M&E Industries" shows the timely commitment of the government to create initiatives toward overcoming hurdles and promoting industries that are vital to our nation's progress.

On behalf of the Directors and members of the Philippine Metalcasting Association, Inc. (PMAI), I congratulate the organizers for successfully spearheading this activity.


JERRY HUI
President

Message



PHILIPPINE WELDING SOCIETY



On behalf of the Philippine Welding Society (PWS), I would like to greet and congratulate the Metals Industry Research and Development Center (MIRDC) on the occasion of its 51st founding anniversary and in conjunction with the Metals and Engineering (M&E) Week celebration this June 19-23, 2017 under the theme: "PartnerShape 2017: Strengthening Alliances, Forging Linkages, and Transcending Challenges for a Progressive M & E Industries."


Each year, the M&E Week celebration offers great opportunities, enhances linkages among various industries and puts forward challenges to the various stakeholders and associations.

People in the MIRDC play a key role as their expertise are harnessed to do capability development maximizing yield to investment in human talent & skills development, tech transfer, and research and development.

We at the PWS, believe that the MIRDC together with the partner associations will always be the vehicle in promoting professional advancement in metals and engineering and allied services in the Philippines through the holding of technical learning, competency development, and certification.

Again, on behalf of the PWS Officers, Board of Directors, and staff, our sincerest thanks and appreciation. The PWS is proud and privileged to have MIRDC as among our partners.

Congratulations!



REYNALDO L. DELA CRUZ, JR.
President (2017-2019)

Message



PHILIPPINE IRON AND STEEL INSTITUTE

Warm greetings from Philippine Iron & Steel Institute!

We congratulate the Department of Science and Technology-Metals Industry Research and Development Center (DOST-MIRDC) on its 6th annual celebration of the Metals and Engineering Week. In the last six years, the Metals and Engineering (M&E) sector has been instrumental in the resurgence of manufacturing and construction making the Philippines one of the fastest growing economies in the region.

The Apparent Steel Consumption (ASC) of our country has grown from 4.1 million metric tons in 2010 to 9.7 million metric tons in 2016. In the last six years, our ASC annual average growth rate is about three times our annual average Gross Domestic Product (GDP) growth rate, one of the highest ASC growth rates in the world. As we embark on the next six years of our country's development, let us continue to hold hands and collaborate. This year's M&E theme- "PartnerShape 2017: Strengthening Alliances, Forging Linkages and Transcending Challenges for a Progressive M&E Industries" is a fitting rallying call for our sector.

Mabuhay!


ROBERTO M. COLA
President

Message



MECHATRONICS AND ROBOTICS SOCIETY
OF THE PHILIPPINES



Congratulations to the Metals Industry Research and Development Center (MIRDC) for the sixth annual celebration of the Metals and Engineering (M & E) Week this year. Another milestone under the leadership of Executive Director Robert O. Dizon marks the successful projects and activities that help and support Philippine industries, especially the Metals, Engineering and Allied sectors.

With the theme "PartnerShape 2017: Strengthening Alliances, Forging Linkages and Transcending Challenges for a Progressive M&E Industries," MIRDC is moving forward to address the needs of the industries for their stronger capabilities toward competitiveness.

We are all aware that the center continuously supports the metals and engineering industries by addressing their needs on information exchange, material testing, quality control, and research and development. It also extends services on business economics and advisory services. Furthermore, it provides the industries access to modern equipment and technologies, as well as modules and programs for manpower development.

As a partner, we are very much grateful to MIRDC for its continuous support, thru its available resources, in advocating for our cause to uplift the automation industries' capabilities towards prosperity and industrial progress. The leadership of the center serves as inspiration to our association and practitioners in the metals and engineering industries in actively promoting new trends and technologies.

Prosperity for MIRDC!

Prosperity for Metals and Engineering industries!

Prosperity for the Filipino people!

A handwritten signature in black ink, appearing to read 'August C. Soliman'.

AUGUSTO C. SOLIMAN
National President

Message

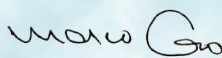


SOCIETY OF MANUFACTURING ENGINEERS
Manila Chapter 165

It is with great privilege that our organization, the Society of Manufacturing Engineers (SME)- Manila Chapter 165, is one of the allied associations of the Metals Industry Research and Development Center. Through the M&E Week, the achievements may it be by an individual or by organization are being recognized. Likewise, new trends in the metals and engineering industries are highlighted.

On behalf of the officers, directors and members of our chapter, we congratulate the team responsible for the success of the M&E Week now on its 6th year and counting. May you continue to provide opportunities, new learnings and partnerships that will help progress the metals and engineering industry.

Congratulations!


MARIO E. GO
Chapter Chair, FY 2017

Message



**AEROSPACE INDUSTRIES ASSOCIATION
OF THE PHILIPPINES**



Greetings from the Aerospace Industries Association of the Philippines (AIAP)!

On behalf of the general membership of our Association, I convey our congratulations on the celebration of the 6th Annual Metals and Engineering (M & E) Week on June 19 to 23, 2017. Your theme "PartnerShape 2017: Strengthening Alliances, Forging Linkages, and Transcending Challenges for a Progressive M&E Week" highlights your exemplary accomplishments and underscores sustained and focused efforts to achieve your vision and mission for the development and growth of the metal industries sector.

That the Metals Industry Research and Development Center (MIRDC) has been the vanguard in the evolution of the metals sector into a foundation for the economic development of the country is well-known and received, not only among the stakeholders who are the fortunate beneficiaries of the MIRDC's tireless efforts for excellence, but the individual companies as well that are recipients of sustained commercial sustainability and profitability. The AIAP expresses its gratitude to be among the stakeholders that have benefited from MIDRC's meaningful and significant stewardship of the metals sector.

We, once again, extend our felicitations to MIDRC on this auspicious occasion and reaffirm our support to its objectives and goals for the betterment of the metals sector of the country.

Very truly yours,

DENNIS Y. CHAN
President

Message



PHILIPPINE SOCIETY FOR NONDESTRUCTIVE TESTING, INC.

On behalf of the Philippine Society for Nondestructive Testing, may I congratulate and extend our best wishes to MIRDC as it marks the 6th annual celebration of the Metals and Engineering (M&E) Week. Undoubtedly, observance of this occasion puts MIRDC in the spotlight as it is challenged to showcase its achievements and how it has lived up to the challenges of the metals industry.

The acceptance by MIRDC of PSNT in its Industry Wing, together with other professional societies, amply demonstrates MIRDC's active role as a catalyst of partnerships among the stakeholders in the metals, engineering, and allied industries. We share with MIRDC's vision towards a globally competitive metals and engineering industry. Together with the other stakeholders whom MIRDC has taken into its fold, we look forward to a cooperation that will lead us one step closer to the fulfillment of this vision

We then join hands in saluting MIRDC for bringing us together and for spearheading the development of an industry which is very crucial to nation building.

MABUHAY!


JAMES H. PORTER, JR.
President

Message



PHILIPPINE PARTS MAKER ASSOCIATION



Mabuhay!

We, the Philippine Parts Maker Association (PPMA), would like to extend our sincerest congratulations to the Department of Science and Technology - Metals Industry Research and Development Center (DOST-MIRDC) for the successful staging of its annual celebration in conjunction with the 6th Metals and Engineering (M&E) Week celebration.

On behalf of the organizers, I would like to welcome experts, representatives and visitors to the year's most comprehensive gathering of the metals, engineering and allied industries.

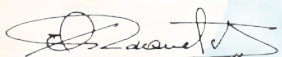
It is indeed an exciting time for the M&E industries as we continue to grow and adapt, and remain motivated despite being confronted by challenges. The M&E industries is confronting a time of many changes and the M&E Conference is a timely event in order to bring inspired and excellent people together to overcome present, as well as future challenges. This is an excellent opportunity for the attendees to make productive exchange of experiences, practices, initiatives, knowledge, and establish ties that will enable us to meet the metals and engineering challenges of the future.

The five-day event truly serves as an important platform for updating, knowledge sharing, and for ultimately shaping the industry's future.

The event's theme "PartnerShape 2017: Strengthening Alliances, Forging Linkages, and Transcending Challenges for a Progressive M&E Industries," is a testament on how the industry surpassed the evolving metals and engineering trends worldwide and the technical challenges facing the sector in the past. We should all be very proud of where we are today and excited about where we are headed.

On behalf of the organizers, I would like to thank each of you for your unwavering support and generosity. You, as experts and leaders, are truly our greatest asset today and tomorrow, and many things become attainable because of your support and help. Throughout this conference, I ask you to stay engaged, keep us proactive and help us shape the future of the M&E industries. My personal respect and thanks goes out to all of you.

Good luck and God bless!



FERDINAND I. RAQUELSANTOS

President

Philippine Parts Maker Association (PPMA)

Message



MOTORCYCLE DEVELOPMENT PROGRAM
PARTICIPANTS ASSOCIATION, INC.




We would like to extend our warm greetings and felicitations to the Department of Science and Technology-Metals Industry Research and Development Center (DOST-MIRDC) for the celebration of the 2017 Metals and Engineering (M&E) Week, which coincides with the Center's 51st Founding Anniversary.

In all its 51 years, the DOST-MIRDC exerts unwavering effort in the promotion of research and development, technology transfer, scientific and technical services, and innovation. The Center's initiatives are truly contributing significantly to the development and advancement of the metals, engineering, and allied industries.

The Motorcycle Development Program Participants Association, Inc. (MDPPA) is among the industry associations that benefit from initiatives that advance the growth of the manufacturing industry, hence gives high regard to its partnership with the DOST-MIRDC. Rest assured that the MDPPA supports the Center's vision of creating a globally competitive M&E and allied industries. We look forward to making our partnership stronger.

The MDPPA congratulates the DOST-MIRDC for reaching two more milestones. We wish you more successes in the coming years.


ARMANDO B. REYES
President

Presidential Proclamation No. 144

Declaring the Period from June 13 to 18, 2011 and Every Third Week of June Thereafter
as
"Metals & Engineering Week"

WHEREAS, the metals and engineering industries play a vital and significant role in the country's economic growth and development, being an indispensable part in government and private infrastructure projects;

WHEREAS, since its creation under Republic Act No. 4724, as amended by Republic Act No 6428, the Metals Industry Research and Development Center (MIRDC) has been engaged in providing the public and private sectors with professional management and technical expertise on vital activities such as training of engineers and technicians, information exchange, trade accreditation service, quality control and testing of metal products, and research and business economics advisory program; and,

WHEREAS, there is a need to express our gratitude to the metals and engineering industries for their sustained efforts, in partnership with the government, in promoting, developing and expanding the metals industry and to spread awareness of their vital contribution to the country.

NOW, THEREFORE, I, BENIGNO S. AQUINO III, President of the Republic of the Philippines, by virtue of the powers vested in me by law, do hereby declare 13 to 18 June 2011 and every third week of June thereafter as the "Metals and Engineering Week," under the auspices of the MIRDC and the Department of Science and Technology (DOST)

I call upon the metals and engineering industries, as well as the private sector, associations and entities, to participate actively in the proper observance of the Metals and Engineering Week and to give their full support and recognition to the ever-growing importance of the metals and engineering industries in nation-building.

IN WITNESS WHEREOF, I have hereunto set my hand and caused the seal of the Republic of the Philippines to be affixed.

DONE in the City of Manila, this 11th day of April, in the year of our Lord, Two Thousand and Eleven.

(Sgd.) BENIGNO S. AQUINO III

By the President:

(Sgd.) PAQUITO N. OCHOA, JR.
Executive Secretary

2017 METALS AND ENGINEERING WEEK (19-23 June 2017)

Get ready for a startling Science and Technology (S&T) experience as the Metals Industry Research and Development Center showcases the following events for the 2017 Metals and Engineering Week:

Date	Time	Activities
19 June 2017, Monday	7:30 am	<ul style="list-style-type: none"> • Flag Raising Venue: MIRDC Ground
	8:00 am - 11:00 am	<ul style="list-style-type: none"> • Holy Mass & Blessing Ceremony of the Titanium Building Venue: Titanium Auditorium, 2nd Floor, Titanium Building, MIRDC, Bicutan, Taguig City
	8:00 am - 5:00 pm	<ul style="list-style-type: none"> • Open House • Mastercam Multi-axis Free Training Seminar Venue: Platinum Auditorium and CAD-CAM room, 2nd Floor, Die and Mold Solution Center
	9:30 am - 5:00 pm	<ul style="list-style-type: none"> • Opening of Exhibit Display and Exhibit Proper Venue: Ground Floor, Right Wing, Titanium Building
	9:00 am - 11:00 am / 1:00 pm - 3:00 pm	<ul style="list-style-type: none"> • Conduct of Information Seminars and Technology Demonstrations Venue: Seminar Rooms 1, 2 and 3
	9:00 am - 4:00 pm	<ul style="list-style-type: none"> • AGT Demo Ride
20 June 2017, Tuesday	8:00 am - 5:00 pm	<ul style="list-style-type: none"> • Open House • Exhibit Display Venue: Ground Floor, Right Wing, Titanium Building
	9:00 am - 11:00 am / 1:00 pm - 3:00 pm	<ul style="list-style-type: none"> • Conduct of Information Seminars and Technology Demonstrations Venue: Seminar Rooms 1, 2 and 3
	9:00 am - 4:00 pm	<ul style="list-style-type: none"> • AGT Demo Ride
	8:00 am - 5:00 pm	<ul style="list-style-type: none"> • “2017 Mid-Year: Techno-Conference on Mechatronics and the Robotics” <i>Organized by Mechatronics and Robotics Society of the Philippines</i> Venue: Platinum Auditorium, 2nd Floor, Platinum Building
21 June 2017, Wednesday	8:00 am - 5:00 pm	<ul style="list-style-type: none"> • Open House • Exhibit Display Venue: Ground Floor, Right Wing, Titanium Building

Date	Time	Activities
21 June 2017, Wednesday (continued..)	9:00 am - 11:00 am / 1:00 pm - 3:00 pm 9:00 am - 4:00 pm 8:00 am - 12:00 nn 1:00 pm - 6:00 pm 6:00 pm - onwards	<ul style="list-style-type: none"> • Conduct of Information Seminars and Technology Demonstration Venue: Seminar Rooms 1, 2 and 3 • AGT Demo Ride • Technology Transfer Day Venue: Platinum Auditorium 2nd Floor, Platinum Building • 2017 M&E Week Conference Theme: “PartnerShape 2017: Strengthening Alliances, Forging Linkages, and Transcending Challenges for a Progressive M&E Industries” Venue: Titanium Auditorium 2nd Floor, Titanium Building PartnerShape Signing of Memorandum of Understanding Awarding of Legacy Trophy Launching of Gear Making Facility Dinner / FellowShape Night
22 June 2017, Thursday	8:00 am - onwards 8:00 am - 5:00 pm 9:00 am - 11:00 am / 1:00 pm - 3:00 pm 9:00 am - 4:00 pm	<ul style="list-style-type: none"> • Awarding of Champions/Winner 2nd MIRDC Skills Olympics Venue: Platinum Auditorium, 2nd Floor, Platinum Building • Open House • Exhibit Display Venue: Ground Floor, Right Wing, Titanium Building • Conduct of Information Seminars and Technology Demonstration Venue: Seminar Rooms 1, 2 and 3 • AGT Demo Ride
23 June 2017, Friday	9:00 am - 5:00 pm	MIRDC 51st Anniversary/Employees’ Day Celebration Theme: Starting Anew: Shining Brighter Beyond 50 Venue: Titanium Auditorium 2 nd Floor, Titanium Building

PROGRAMME

1:00 PM	Registration	MIRDC Secretariat
2:00 PM	Invocation	DANILO N. PILAR <i>Chief, Technology Diffusion Division</i>
	Philippine National Anthem	
	MIRDC Hymn	
	Welcome Remarks	JONATHAN Q. PUERTO <i>Deputy Executive Director for R&D, MIRDC</i>
	Executive Director's Message	ROBERT O. DIZON <i>Executive Director, MIRDC</i>
	Introduction of Keynote Speaker	ALBERTO M. ALBANO <i>Governing Council Member, MIRDC</i>
	Keynote Address	HON. CYNTHIA A. VILLAR <i>Senator, Republic of the Philippines</i>
3:00 PM	Introduction of Industry PartnerShape	FRED P. LIZA <i>Chief, Prototyping Division, MIRDC</i>
	Signing of Memorandum of Understanding and Commitment Message	DENNIS Y. CHAN <i>President, Aerospace Industries Association of the Philippines</i>
		EARL S. QUA <i>President, Electronics Industries Association of the Philippines</i>
		AUGUSTOS C. SOLIMAN <i>National President, Mechatronics and Robotics Society of the Philippines</i>
		INESITAS L. PALERMO <i>National President, Metalworking Industries Association of the Philippines</i>
		ARMANDO B. REYES <i>President, Motorcycle Development Program Participants Association</i>
		PHILIP C. ANG <i>President, Philippine Die and Mold Association</i>
		JERRY HUI <i>President, Philippine Metalcasting Association, Inc.</i>
		FERDINAND I. RAQUELSANTOS <i>President, Philippine Parts Maker Association</i>
		REYNALDO L. DELA CRUZ, JR. <i>President, Philippine Welding Society</i>
	Awarding of MIRDC Legacy Trophy	AGUSTIN M. FUDOLIG <i>Deputy Executive Director for Technical Services, MIRDC</i>
	Acceptance Message	MIRDC LEGACY TROPHY AWARDEE
4:30 PM	Launching of New Facilities	Video Presentation of Gear-making Facility and Other Facilities
	Partnership Message	INESITAS L. PALERMO Launching of Industry Wing and Awarding of Keys
		Ribbon Cutting and Tour of Facilities
6:00 PM	Dinner / FellowShape Night	

Masters of Ceremonies:
 PartnerShape Day: Dr. Rio S. Pagtalunan & Ms. Mercedita G. Abutal
 FellowShape Night: Engr. Rodnel O. Tamayo



PENTA TECHNOLOGY, INC.



- CNC Machines
- Accuracy
 - Control
 - Speed
 - Power
 - Ecology

Easy to use, loaded with safety features



TAIKI®

Power Chuck & Soft Jaws

BARLOAD

Automatic Bar Feeder

Innovative Design
Humanified Control

Bar Feeder



HIWIN®

Motion Control and Systems Technology

Ball Screws

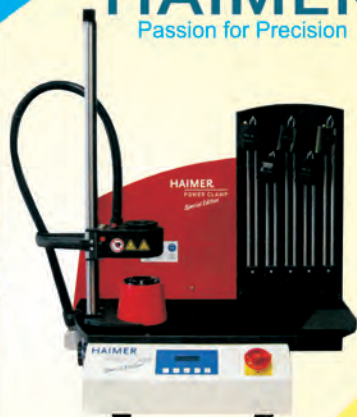


Linear Guideway



HAIMER

Passion for Precision



TAIYU

HI-CHIP Cutting Oil/ Coolant



SUGINO

CNC Drilling & Tapping Machine



FAGOR



Digital Readouts and
CNC Controllers

ZOLLER

expect great measures®

Tool Presetter



“Quality of Production...Beyond Technology...Solutions is our Commitment”

22 El Rico Suites 1048 Metropolitan Avenue, Makati City 1205, Metro Manila
Tel. No.: (63-2)897-1287 • Fax: (63-2) 897-1313 • E-mail: pentech@info.com.ph



SANNO PHILIPPINES MANUFACTURING CORPORATION



PLATING SERVICES OFFERED:

Connector Electroplating (Continuous Reel to Reel)

Nickel Plating

Tin Plating (Selective)

Gold Plating (Selective)

Singulated Pins Electroplating (Barrel)

Copper Plating

Nickel Plating

Gold Plating

Contact or visit us at:

Sanno Philippines Manufacturing Corporation (SPMC)

Lot 5-A, Gen. B. Aguinaldo St. corner M. Inocencio St.

Gateway Business Park, Javalera, General Trias,

Cavite 4107, Philippines

Tel nos. (63) 46-433-0117 to 20

Fax no. (63) 46-433-0474

Cell no. (63) 917-561-3095

Email ppmc@sanno.com.ph



FIL-ASIA

AUTOMOTIVE & INDUSTRIES CORP.



AUTOMATED GUIDEWAY TRANSIT



BUS BODY



HYBRID ELECTRIC ROAD TRAIN



HYBRID ELECTRIC TRAIN

- **MAKER OF ALL TYPES OF SPECIAL PURPOSE VEHICLES**
- **BUS BODY BUILDER**
- **DISTRIBUTOR OF BOGIE ASSEMBLY**
- **DISTRIBUTOR OF DONG HWAN BUS AIR-CONDITIONER**
- **DAEWOO BUS SPARE PARTS**



BOGIE ASSEMBLY



DONG HWAN AIR-CONDITIONER

Head Office: Unit 1005, One Corporate Center Bldg, Julia Vargas Ave., Conrner Meralco Ave., Ortigas Center, Pasig City, Metro Manila, Philippines.
Telephone No.: (+632) 635-97-85, (+632) 635-61-84
E-mail: filasia_prod@yahoo.com

Plant Add.: Fil-Asia Automotive & Industries Corp.
1251 Amang Rodriguez Ave., Brgy De La Paz, Pasig City.
(Inside El Inventor Compound)
Telephone No.: (+6346) 536-91-98
Telefax No.: (+632) 645-13-11

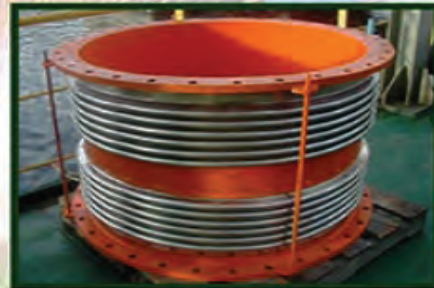
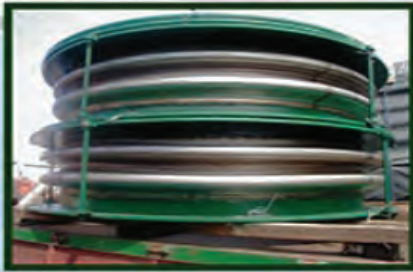


BERPA-FLEX TECHNOLOGIES

Manufacturer of Expansion

Main Office and Plant Site:
San Sebastian, Sta. Barbara, Iloilo
Telefax No: (033) 523-9994
Mobile Nos: (+63) 917-4342-849 /
(+63) 929-5421-813

Manila Office:
2/F ACG Bldg. Rm.E-5, # 2824 Maria
Natividad St. Corner Aurora Blvd. Sta. Cruz, Manila
Telefax No: (02) 740-9389
Mobile Nos: (+63) 932-5511-338 /
(+63) 999-6730-945 / (+63) 927-9806-709



I. PRODUCTS

A. Expansion Joints / Flexible Pipes

- (SS Materials) Fabrication
- single and multi bellows
 - single and multi-ply bellows
 - flange and flangeless flexible pipes
 - standard or made to order
(customized)

B. Rubber Products

- rubber pods and gaskets
- rubber impellers, bushings
- O-ring rollers, gaskets diaphragm
- rubber expansion joints
- mechanical seal

II. SERVICES

A. Machining

B. Design and Fabrication

C. Repair of Industrial and Marine Boilers, Super heaters, air heaters, and economizers

D. Marine Hot Works

E. Repair and reconditioning of all kinds of Industrial pumps



MESCO

Since 1956

Quality Machine Tools and Engineering Products

MACHINE TOOLS

CNC Lathes, CNC Machining Centers, Grinders, EDMs, Turret Punch, Press Brakes, Shears, Bandsaw machines, Automated Storage Systems, Milling Machines

Mazak

CHEVALIER

 PRECISION TSUGAMI

Okamoto

MADA

 MITSUBISHI
ELECTRIC
Changes for the Better

 OSCARMAX
ELECTRICAL DISCHARGE MACHINE



CUTTING TOOLS

Carbide Cutting Tools, EDM Workholding Systems, Bandsaw Blades, Toolholders, Mold Bases, Coolant

 system 3R  

Tungaloy

NIKKEN

LKM

MAPAL

CHICK



SUNNEN

ABOVE AND BEYOND HONING
L&H MACHTECH CO., LTD.

METROLOGY

CNC CMMs, Measuring Systems, Small Tools, Contour/Surface Measurements Systems, Profile Projectors

Mitutoyo

IMADA

OJIYAS

FARO

RENISHAW



HYDRAULICS AND PNEUMATICS

Hydraulic Components and hoses, Air Compressors, Servo Valves, Air Dryers, Filters, and Chillers

VICKERS

MITSUI SEIKI

RIVALIT

EATON

MOOG

MESCO Bldg. Reliance corner Brixton Streets, 1603 Pasig City, Philippines

Tel No. (+63-2) 6311775 . Fax No. (+63-2) 6314028 / 6350276 . <http://www.mesco.com.ph> . email: mesco@mesco.com.ph



Aerospace Industries Association of the Philippines (AIAP)

2017 Set of Officers

John T. Lee <i>Chairman</i>	<i>Board of Trustees</i> John T. Lee
Dennis Y. Chan <i>President</i>	Dennis Y. Chan
Wilfredo N. Estoque <i>Vice President</i>	Melvin Dy
Melvin Dy <i>Secretary</i>	Cesario Chua
Cesario Chua <i>Treasurer</i>	Wilfredo N. Estoque
Hermie O. Flores <i>Auditor</i>	Alexander Javier
	Mercedita G. Abutal
	Mathew Baxter
	Hermenigildo Flores, Jr.
	Takeshi Kurosaka
	Nelson S. Barcelona
	Lorenzo Naval, Jr.
	David Inocencio
	Alfred Lee
	Carmelynda Samoy
	Com. Gilbert Rueras

The AIAP is a non-stock, non-profit and non-governmental organization of small, medium and large enterprises in the Philippine Aerospace and Aviation Industries. AIAP was registered with the Philippine Securities and Exchange Commission last August 1, 2012, Reference SEC Registration No. CN 2012314332.

The AIAP aims to help its members find their customers, partners to serve new export market and achieve sustainable competitiveness in the global arena; providing focused support works, representation and networking services with customers, government, industry, academe, financial institutions, quality and productivity organizations, and other non-governmental bodies.

The primordial role of the Association is geared towards the establishment of the Philippine Aerospace Supply Chain on the following specific fields of intervention:

- Infusion of Technology with partner Technology Providers
- Enhancement of Manpower Knowledge & Skills thru Education and Training with partners in Government and Educational Institutions
- Application of Quality Management Systems of member companies
- Implementation of Productivity Methodologies at Firm level

The general membership currently with 40 companies enlisted constitute entities which are manufacturers, secondary processors, sub-contractors, suppliers, traders, (dealers and importers) based and operating businesses in the country. The members are categorized into the following classifications: Regular, Associate, Honorary, Affiliate, and Individual. There are also 3 Honorary Member government institutions that support the Association thru various programs and projects for the Industry. They are the following:

- Metals Industry Research and Development Center (MIRDC)
- Philippine International Trading Corporation (PITC)
- Philippine Aerospace Development Corporation (PADC)

These Honorary Member government institutions also act as advisors to the current AIAP Board of Trustees.

The AIAP Board of Trustees (BOT) constitute the governing body of the Association. It is composed of 11 BOT's elected by the voting members in good standing. Each BOT holds a term of two (2) years. Once the BOT has been elected, the BOT will then elect the Officers for the Association.

The Trustees are responsible for the development, implementation, and management of the policies and procedures. They have supervision, control, and direction of the affairs of the Association, its committees and publications. They determine policies of the Association or changes therein, promote its objectives, and supervise the disbursement of its funds.

The BOT thru its elected Officers, namely: President, Vice President, Treasurer, Technical Auditor and Secretary conduct its business activities, direct the implementation of programs, delegate certain authority and responsibility to the secretariat and staff of the Association.

Various projects and priority programs are being implemented by the Industry Association. Below are some of the said projects and programs:

- Technical Trainings (in Partnership with the MIRDC)
 - Metrology Trainings (Measurement & Calibration)
 - Introduction to AS 9100D (Awareness Training)
 - CNC Machining Trainings (Turning / Milling)
 - Computer Aided Development & Design Trainings

MDPPA 2017 Set of Officers

Armando B. Reyes
President

Alfredo O. Lejano, Jr.
Vice President

Espie N. Custodio
Treasurer

Rodel L. Pablo
Auditor

Eduardo Clemente
Director

Committee Chairman:

Espie N. Custodio
Marketing Committee

Jacinto R. Cadugo
Road Safety Committee

Rodel L. Pablo
Technical Committee

Alfredo O. Lejano, Jr.
Government Committee

Based on the basic principles of the Philippine Motor Vehicle Development Program implemented by the Board of Investments, the four (4) major motorcycle manufacturers and assemblers: Honda Philippines, Inc., Kawasaki Motors (Phils.) Corp., Norkis Trading Co., Inc. and Suzuki Philippines, Inc. established in 1973 an association known as the Philippine Motorcycle Manufacturing Program (PMMP).

In 1987, new MVDP guidelines were finalized and program name was, likewise, changed to Motorcycle Development Program (MDP). The Association was given the new name of Motorcycle Development Program Participants Association, Inc. (MDPPA) in 1989.

Eastworld Motorcycle Industries Corp. (Motorstar) and MCX Motor Phils., Inc. joined the association in 2003 and 2006, respectively. Yamaha Motor Philippines, Inc. and Kymco Philippines, Inc. followed suit in 2008. The current six members of the Association, Honda, Kawasaki, Suzuki, Motorstar, Yamaha and Kymco, are all active participants of the government's Motor Vehicle Development Program (MVDP).

VISION STATEMENT

To be the premier motorcycle manufacturers association in the Philippines.

MISSION STATEMENT

To provide motorcycle to every Filipino home.

VALUES STATEMENT

- Reliability
- Environment-friendly
- Safe Riding
- Technology driven

Objectives

- To work together in intensified market development activities aimed at promoting the widespread usage motorcycles with emphasis on the sports and recreational aspects.
- To encourage and support the establishment and growth of light and medium scale enterprises locally producing motorcycle parts and components in line with government objectives.

Activities

- MDPPA organizes a yearly exclusive Motorcycle Show.
- Conducts a "Free" Learn to Ride a Motorcycle among the media people every year.
- Participates in Motor shows organized by private organization. Actively participates in the discussion on government policies affecting the Motorcycle Industry.
- Coordinates with the Philippine Government to promote environmental campaign, specifically to prevent and control air pollution from motorcycles.


Philippine Parts Maker Association, Inc.
2017 Set of Officers

Feliciano L. Torres Chairman Emeritus	Arnie Mendoza PRO Government Relations	<i>Committees:</i>
Eddie S. Jose Chairman	Naer Pizarro Auditor	Kwan Tang Dee Chairman of Membership
Ferdinand I. Raquelsantos President	<i>Board of Trustees:</i> Satoru Azuma (Rep: Mr. Jorge Roa)	John T. Lee Chairman of Education
Vicente Co Vice President Internal	Conrad Almazora	Ferdinand I. Raquelsantos Chairman of Ways and Means
Edmund Araga Vice President External	Hiroyuki Miyashita	Rommel Juan Chairman of Sports and Social
Eddie Gallor Vice President Technical	Fumiaki Mitsuguchi	
Rodolfo Olan Board Secretary	Vic Petalino	
Rafael G. Villarreal Treasurer	Tanya Abaya (Rep.)	

Philippine Parts Maker Association, Inc. (PPMA), originally known as Motor Vehicle Parts Manufacturers Association of the Philippines MVPMAP, was established in July 2015 to represent the industry and to provide technical and management support to its members. The Association extremely effective link between the policy-making echelons in the government and the auto parts manufacturing industry. PPMA is also a member of Federation of Automotive Industries of the Philippines, Inc. (FAIP).

With a registered membership base of over 113 parts manufacturers out of over 302 industries. PPMA has under its wings part makers of cars who represent multinational companies of repute, including Toyota, Mitsubishi, Isuzu, Honda, and others.



Metalworking Industries Association of the Philippines, Inc. (MIAP)

2017 Set of Officers (MIAP National)

Inesitas L. Palermo
President

Dominador Y. Lanoy
Executive Vice President

Rene I. Dela Cruz
Vice President - Luzon

Edison Y. Mateo
Vice President - Visayas

Mario C. Julaton
Vice President - Mindanao

Cherry R. Isobal
Secretary

Hector D. Malonzo
Treasurer

James G. Arcenio
Auditor

Trustees:

Francis S. Celis

Raymund M. Paras

Cirpiano M. Vicente

2017 Set of Officers (MIAP Metro Manila)

Rene I. Dela Cruz
President

Lucilito P. Angeles
Vice President

Nerissa A. Veran
Secretary

Hector D. Malonzo
Treasurer

Joseph Alan T. Abrenica
Auditor

Trustees:

Tyronne T. Chan

Candy R. Lanzuela

Hanson C. Tan

Elven S. Uy

The Metalworking Industries Association of the Philippines, Inc. (MIAP) is a trade association of firms engaged in metalworking and related activities. It was first organized in 1978 in Metro Manila to answer the need for a body that can represent the metalworking sector of the mechanical engineering industry with government as well as with other industry sectors, both domestic and international.

MIAP's mission is to work for the development of a truly progressive and dynamic metalworking association that can firmly support the needs of its members and stands as the backbone of the various industries.

MIAP is composed of 15 CHAPTERS throughout the Philippines as follows:

1. Bohol
2. Butuan
3. Cagayan de Oro City
4. Cagayan Valley Reg. 2
5. Cebu
6. Dagupan
7. Davao City
8. General Santos City
9. Iligan City
10. Iloilo City
11. Kidapawan
12. Metro Manila
13. Negros Occidental
14. Surigao del Sur
15. Zamboanga City



Philippine Iron and Steel Institute (PISI)

2017 Elected Board of Trustees

Sector A - Long Product Sector:

Roberto M. Cola
Wellington Y. Tong
Henry Y. Lieuson

Sector B - Flat Products:

Romulo A. Salanga
Alex Dumaliang
Oliver Silan

Sector C - Roll Formers:

Jose Rey Batomalaque
Jimmy Chan
Benhur Go

Sector D - Traders, Suppliers and Others:

Sofia Tundag
Melvin Dalangin

Members At Large:

Alvin Cheng
Ronald Joel Magsajo
Joel T. Ronquillo
Ricardo Yu

The Philippine Iron and Steel Institute (PISI) is created to help bring about the global competitiveness and sustainable growth in the Philippine iron and steel industry to enable the latter to be an effective partner in national development.

The PISI was established on May 8, 1963 by a group of Filipino industrialists and registered it with SEC on July 8, 1963 as a non-stock, non-profit corporation. Due to mounting problems that beset the iron and steel industry in 1971, the PISI was revitalized with a renewed working partnership between government and private sector wherein the MIRDC became an ex-officio member.

At present, the PISI is governed by 15-member Board of Trustees representing various sectors as follows:

- Long products – melters, re-rollers, wire rod, wire products, etc.
- Flat products – galvanizers, pre-painted sheets, pipes, containers, cans, etc.
- Traders – raw materials, manufacturers, ferro-alloy, sinter, gases, etc.
- Foundry, forging, metal work

Today, the PISI is the country's premiere organization that is recognized by the government as representing the country's iron and steel industry. It shall also be the ideal catalyst to bring about a sustainable and globally competitive domestic capability to produce and manufacture iron and steel products in the Philippines.



Philippine Society of Nondestructive Testing (PSNT)

2017 Set of Officers

James F. Porter, Jr.
President

Roland R. Cabasa
Vice President

Estrella D. Relunia, Ed.D.
Treasurer

Gonzalo S. Puga
Secretary

Board of Directors:

Edgardo C. Aguilar

Renato T. Bañaga

Dante A. Bernardo

Gerald S. Gallardo

June Raymond L. Mariano

Isidro D. Millio

Concepcion R. Raspado

Gonzalo S. Puga
Executive Director

The Philippine Society of Nondestructive Testing, Inc. (PSNT) is an organization composed of engineers, technologists, professionals and technicians engaged in and/or interested in the practice of Nondestructive Testing (NDT) techniques and methods.

The PSNT was officially organized on September 28, 1979 and its Constitution and By-laws was formally ratified on December 17, 1979. The PSNT is registered with the Securities and Exchange Commission (SEC) as a non-profit, non-stock organization.

As defined in its Constitution, the PSNT was established for the purpose of:

- a. advancing scientific, engineering, and technical knowledge in the field of NDT through education, research, and the compilation and dissemination of relevant information useful to the membership and beneficial to the general public.
- b. establishing NDT standards and procedures for qualification and certification of NDT practitioners; and
- c. establishing linkages with government institutions and other technical and scientific organizations in the dissemination and exchange of information in enhancing the promotion of an advancement and recognition of NDT in the Philippines.

The PSNT acts as the advisory body to the Philippine National Certifying Body for Nondestructive Testing (PHIL-NCB-NDT) on the qualification and certification of NDT personnel in accordance with PNS/ISO-9712:2006.



Philippine Die and Mold Association (PDMA)

2017 Board of Directors

Philip C. Ang
President

Gregorio A. Oliveros
Vice President

Virgilio F. Lanzuela
Secretary

Marcelino T. Yu
Treasurer

Hector U. Villanueva, Jr.
Auditor

Trustees:

Luis Antonio T. Fuster

Hector D. Malonzo

Fred P. Liza

Jimmy D. Longakit

Albert L. Constantine Yu

Gorge Ong

Jimmy T. Chan

Rene I. Dela Cruz

The Philippine Die and Mold Association (PDMA) was established to formulate, initiate, and advocate policies and strategies for the rationalization of the mold and die industry, review industry policies, and monitor their implementation. It seeks to promote the rapid modernization of the Philippine die and mold industry by fostering closer cooperation between and among the members of the industry, the academe, and the government and by serving as catalysts in consolidating their efforts and in mobilizing available resources with the end view of enhancing the capability of the die and mold industry to meet the demands of the local and export market under the standards of global excellence.

The PDMA holds a biennial exhibition and conference that showcases the machineries, tools, equipment, products, processes and services. The PDMEX (formerly PDMAEC) incorporates allied exhibits for Automation, Robotics and Control, Machine tools, Metal finishing, Metrology, Outsourcing and Engineering, Plastics, Welding and Sheet Metals.

The PDMA was organized on August 19, 1995 and duly registered with the SEC on October 26, 1995. It is affiliated with the Federation of Asian Die and Mold Associations (FADMA). Its structure is composed of seven (7) sectors as follows:

1. Die Casting and Forging
2. Electronics and Semiconductor Tooling
3. Government (represented by MIRDC and BOI)
4. Metal Stamping
5. Plastics, Rubber and Packaging
6. Technological Resources
7. Machining and Fabrication



Philippine Welding Society (PWS)

2017 - 2019 Set of Officers

Reynaldo L. Dela Cruz, Jr.

President

Gerald S. Gallardo

Vice-President

Sesinandi C. Abulencia

Secretary

Isidro D. Millo

Treasurer

Rolando R. Ortañez

Auditor

Ernesto B. Policarpio

Public Relations Officer

Roberto M. Dela Cruz

Ex-Officio Official

Board of Trustees and Committees:

Eric J. Montes

Bernardo A. Benito

Edralin C. Icabales

Galileo S. Santos

Fernando M. Opeda

The Philippine Welding Society (PWS) is committed to professionalize welding practice in the country.

The Philippine Welding Society started as a vision of various industry professionals whose aim is to advance the science and professionalize the practice of welding in the country.

On September 19, 1991, encouraged by the government, business sector, educators and practitioners, twelve founding members from construction, manufacturing and inspection companies bonded together and established the Philippine Welding Society (PWS) which was registered as a non-stock, non-profit organization with the SEC on February 13, 1992.

The foremost objective of the PWS is to promote the advancement of the science and practice of welding including matters related to standardization, public safety and health. It also provides a forum for exchanging ideas and opinions on the practice of the welding profession and skills development through workshops and seminars.

The activities of PWS include conduct of seminars and workshops in welding technology topics and conduct of topics related to certification of welding inspectors. The PWS also holds an Annual Welding Competition especially among Tech Voc learning institutions.



Philippine Metalcasting Association, Inc. (PMAI)

2017 Set of Officers

Jose T. Marcelo Jr.

Honorary President

Jerry Hui

President

Marcelino Barandino

Vice President

Eddie Go

Secretary

Wilson Ong

Treasurer

Harvey Uy

Asst. Treasurer

Board of Directors (2015-16)

Jerry Hui

Marcelino Barandino

Eddie Go

Wilson Ong

Harvey Uy

Lemuel N. Apusaga

Ernesto Ang

Tomas Merdegia Jr.

Audie Fabelico

Kim Sin Ongkalko

Napoleon Tanganco

Valentin Go

Joseph Navarro

Loreto Matibag

Danny Panganiban

Committee Chairpersons:

Finance: Jerry Hui

Membership: Marcelino Barandino

Information: Lemuel N. Apusaga

Ways And Means: Wilson Ong

Manpower: Loreto Matibag

Technical: Tomas Merdegia Jr.

Trade: Eddie Go

The Philippine Metalcasting Association, Inc. (PMAI) envisions a well developed Philippine metalcasting industry that is at par with the best in the world, engineered, molded, and shaped by PMAI and skillfully steered into and through the present millennium, with PMAI at the helm as a widely recognized and highly regarded institution for improving productivity and industrial prosperity.

PMAI started as the Philippine Foundrymen's Society (PFS) in 1964 with 30 members. In 1972, the association was renamed the Philippine Foundry Society wherein its objectives were broadened to include the economic improvement of the industry. In order to embrace all those involved in metalcasting, the PFS was transformed into the PMAI which was registered with the SEC on November 27, 1990. Membership has expanded to include foundries and diecasters alike.

Over the years, PMAI has represented the metalcasting industry of the country in international missions, training and trade fairs in Japan, Russia, Poland, Taiwan, Netherlands, Germany, Belgium and China.



2017 Set of Officers

Mario E. Go
Chapter Chair

George L. Siy
Chair-Elect

Martin B. Yabut III
Chapter Secretary

Rostico F. Morales
Chapter Treasurer

Augusto C. Soliman
Chapter Adviser

Directors:

- John T. Lee
James C. Ang
Wai Hung Ong
Lionel S. Chuacokiong
Victoriano T. Yap
Oscar G. Unas

Ex-Officio:

- James C. Ang
Rostico F. Morales

For more than 77 years, the Society of Manufacturing Engineers (SME) has been the place Where Manufacturing Comes Together. Founded in 1932 with 33 members, the organization was originally named the Society of Tool Engineers. A year later, it was renamed the American Society of Tool Engineers. It finally became the Society of Manufacturing Engineers in 1969. Formed amid the Great Depression by a group of tool engineers and master mechanics, the organization looked to collaborate on how to build what would give the Motor City its name - the automobile.

Today, SME is the world's leading professional society supporting manufacturing education. Through its member programs, publications, expositions and professional development resources, SME promotes an increased awareness of manufacturing engineering and helps keep manufacturing professionals up to date on leading trends and technologies. Headquartered in Michigan, SME influences more than half a million manufacturing practitioners and executives annually. The Society has members in more than 70 countries and is supported by a network of hundreds of technical communities and chapters worldwide. SME's members hail from diverse manufacturing industries, including aerospace and defense, automotive and transportation, medical and many, many more.

The Society of Manufacturing Engineers Manila Chapter 165 was started in the Philippines by a handful of entrepreneurs, engineers and manufacturing engineers more than 50 years ago. It was the second off-shore chapter (North American continent) to be established. The first was Australia.



Mechatronics and Robotics Society of the Philippines (MRSP)

2017 Set of Officers

Joel B. Bajador, PECE, MBA, ACPE
Chairman

Augusto C. Soliman, APEC/ASEAN Engr.
President

Ricky V. Bustamante, PECE
Vice-President - Robotics

Philip Marvin D. Joven, REE
Vice-President - Mechatronics

Edwin A. Sta. Maria, PECE, MBA
Secretary

Ariel P. Duran, REE, MBA
Treasurer

Franklin D. Quiachon, ECE
Auditor

REY-AN V. BARICANOSA
PRO

Directors:

- Cecilio P. Repollo, RME
Fred P. Liza, RME
James Bernard C. Itao, RME
Rica Jane Y. Kosca, ECE
Danilo O. Reyes Jr.
Sandino E. Serviño
Louie L. Villaverde

Advisers:

- Dr. Elmer P. Dadios, Phd.
Exec. Dir. Robert O. Dizon
Gamaliel F. Itao, PEE, M. ENTREP

The Mechatronics and Robotics Society of the Philippines is a group of people who are committed to the advancement of mechatronics and robotics technology in the Philippines through research and development, innovations and sharing of expertise, information and experience. This society has a multi-level membership to ensure the integration of mechanical, electrical, electronics and computing technology, skills and knowledge in the production of automated and intelligent machines and equipment.

VISION:

"To be the leader in the advancement of Mechatronics and Robotics Technology, Research and Application in the Philippines and ASEAN Region within 5 years."

MISSION STATEMENT:

- To unite experts, professionals and hobbyists in promoting nation building through advancement, research and continuous innovation in mechatronics and robotics technology.
- To create opportunities for its members in response to the needs of multi-sectoral industries that will lead to sustainable national growth towards global competitiveness.
- To lead in certifying mechatronics and automation professionals, technicians and practitioners which will complement globally recognized national certification.



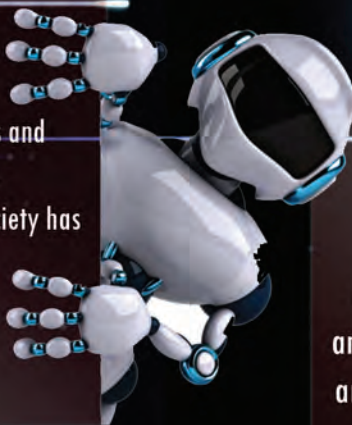
MECHATRONICS AND ROBOTICS SOCIETY OF THE PHILIPPINES

www.mrsp-ph.org



What is MRSP?

The Mechatronics and Robotics Society of the Philippines is a group of people who are committed to the advancement of mechatronics and robotics technology in the Philippines through research and development, innovations and sharing of expertise, information and experience. This society has a multi-level membership to ensure the integration of mechanical, electrical, electronics and computing technology, skills and knowledge in the production of automated and intelligent machines and equipment.



Vision

“To be the leader in the advancement of Mechatronics and Robotics Technology, Research and Application in the Philippines and ASEAN Region within 5 years.”

Mission

- To unite experts, professionals and hobbyists in promoting nation building through advancement, research and continuous innovation in mechatronics and robotics technology.
- To create opportunities for its members in response to the needs of multi-sectoral industries that will lead to sustainable national growth towards global competitiveness.
- To lead in certifying mechatronics and automation professionals, technicians and practitioners which will complement globally recognized national certification.



In partnership with:



The 8th Philippine Die & Mould Machineries
and Equipment Exhibition

PDMEX 2017

The ancillary of

PDMAEC

23-26 August 2017

World Trade Center, Metro Manila, Philippines

incorporating:

6th AUTOCOR 2017

6th OUTSOURCING & ENGINEERING 2017

8th MACHINE TOOLS 2017

5th METFIN 2017

6th METROLOGY 2017

5th PHILPLAS 2017

5th PHILWELD 2017

8th SHEET METAL 2017

**TECHNOLOGY
ADVANCES OUR FUTURE**

Organized by:

PDMA Inc.
The Die and Mould Association of the Philippines

Managed by:

MAI
MAI EVENTS MANAGEMENT PHILIPPINES
A Professional Event Management Company

For inquiry, please contact:

+ (632) 865-1481, + (632) 865-1466, + (632) 865-1469, + (632) 846-9532 or + (632) 846-9532

e-mail: mai_mgt@compass.com.ph or mai_markb@yahoo.com.ph

DEVELOPMENT CREATE RESEARCH IN-TO
FUTURE IMPROVE INNOVATION DIGITA
INFORMATION SOLUTIONS ACCURACY
ADVANCE ENGINEERING AUTOMATION
MODERN TECHNOLOGY
PROGRESS ANALYZE MEASUREMENT
OPTIMIZE CONTROL SYSTEMS
MACHINES WIRELESS DEVEL
SUPPORT SERVICE SYSTEM
DATA PROCESS



FOR ALL YOUR NON DESTRUCTIVE TESTING NEEDS



ELECTROMAGNETIC TESTING (ET)



Precision testing of wires, tubes and rods



Crack testing of long products such as tubes, wires and profiles



Automatic hardness and structure testing of metallic components

ULTRASONIC TESTING (UT)



Digital Ultrasonic Flaw Detector, Phased Array & Thickness Gauges



Portable Hardness Testers



Thickness Gauges



RADIOGRAPHY TESTING (RT)



Computed Radiography



Industrial X-Ray Portables and System



Technology with Passion



Digital Radiography



MAGNETIC PARTICLE TESTING (MT)



Magnetic Bench



Portable Magnetic Inspection Unit, Yokes & Accessories



UV Lamps and Light Meter



Rm 203 GEDCOR Square Building,
Corner Irasan Street, Ninoy Aquino Avenue,
Brgy. San Dionisio, Parañaque City, Philippines

t (632) 826 2669
f (632) 822 7130

sales_ph@ndt-instruments.com
www.ndt-instruments.com

**TEST WITH THE
BEST...**

2017 M&E Week Committee

Chairman	:	Jonathan Q. Puerto
Vice-Chairman	:	Fred P. Liza
Members	:	All Sub-Committee Chairs
Secretariat	:	Zalda R. Gayahan

Logistics & Physical Arrangements

Chair	:	Aurea T. Motas
Vice-Chair-Logistics	:	Natalio Rodriguez
Members	:	Minda B. Bardiano Katherine T. Llanto Rolando Y. Clavio Meyce A. Morales
Vice-Chair-Physical Arrangements	:	Eric C. Calanno
Members	:	Reynaldo O. Bayot Alberto M. Oliva Marlito A. Gonzales Rouel G. Moreno Joel A. Eligue Diosito T. Patriarca Virgilio E. Pasco Alfredo B. Anchorez

Program & Reception

Chair	:	Norma B. Garcia
Members	:	Melanie T. Valencia Diddier B. Sibal Jerameel C. Falcatan Karen R. Cagalingan-Santos Tracy Ann U. Tolentino Osric Primo Bern A. Quibot Ariane Mae M. Villanueva Katherine T. Llanto Laila R. Porlucas Abigail M. Casas Florale G. Gamo Genevieve M. Barsales Eric B. Casila Alfredo Z. Panganiban Gil R. Roa Reynaldo M. Loreto Jr. Ronald L. Agustin

Publication & Souvenirs

Chair	:	Lina B. Afable
Vice-Chair	:	Zalda R. Gayahan
Members	:	Marlyn U. Ramones Ma. Rodessa Grace A. Mercado Ronald L. Agustin Reynaldo M. Loreto Jr. Teresita C. Viloso Eldina B. Pinca Jim Patrick S. Erispe Vilma A. Sia Rosalinda M. Cruz Josephine R. Esguerra

Food

- Chair : **Aurea T. Motas**
Vice-Chairs : Marcela R. Cagalingan
Katherine T. Llanto
Members : Rey N. Mariposque (*Tech Transfer*)
Teresita C. Viloso (*Exhibit/Open House*)
Tracy Ann U. Tolentino (*M&E Conference*)
Ligaya M. Rubis (*Employees' Day*)
Ma. Elena G. Gurimbao (*Skills Competition*)

Invitation

- Chair : **Danilo N. Pilar**
Members : Osric Primo Bern A. Quibot
Florale G. Gamo
Genevieve M. Barsales
Abigail M. Casas
Eunice A. Bautista
Kristine A. Gealan

Ways and Means

- Chair : **Marcela R. Cagalingan**
Members : Jonifer Rose D. Bernaldez
Ivy Marie P. Palma

Awards (in coordination with PRAISE Committee)

- Chair : **Trixie Hazel C. Veluz**
Members : Genevieve M. Barsales
Dolly Marie T. Borlado
Abigail M. Casas

Open House & Exhibit

- Chair : **Lina B. Afable**
Vice-Chair : Zalda R. Gayahan
Members : Lemuel N. Apusaga
Joseph Alfred V. Garcia
Marlyn U. Ramones
Ronald L. Agustin
Reynaldo M. Loreto Jr.
Ma. Rodessa Grace A. Mercado
Kristine A. Gealan
Carla Joyce C. Nocheseda
Eric C. Calanno
Teresita C. Viloso
Eldina B. Pinca
Jim Patrick S. Erispe
Reynaldo L. dela Cruz Jr.
Ma. Elena G. Gurimbao
Alexander T. Gonzales
Florante A. Catalan
Vilma A. Sia
Rosalinda M. Cruz
Josephine R. Esguerra
Ma. Girlie M. Millo
Genevieve M. Barsales

Skills Competition

- Chair : **Reynaldo L. dela Cruz Jr.**
- Vice-Chair : Ma. Elena G. Gurimbao
- Members : Leandro B. Olesco Jr.
Alma C. Dupagan
Eunice A. Bautista
Rommel G. Adame
Raymond S. de Ocampo
Juanito G. Mallari

Technology Transfer Day

- Chair : **Ma. Girlie M. Millo**
- Vice-Chair : Osric Primo Bern A. Quibot
- Members : Mervin B. Gorospe
Rey N. Mariposque
Adonis T. Marquez
Fred P. Liza (*Food Processing Equipment*)
Florentino J. Lafuente (*Micro-Cupola*)
Allan John S. Limson (*Pandanus Slitter-Presser*)
Gharry M. Bathan (*Earthquake Simulator*)
Francisco C. Dime (*Forage Chopper*)
Isidro D. Millo (*RTA/RHA*)
Rodnel O. Tamayo (*Tent System*)
Jayson P. Rogelio (*Microwave Vacuum Dryer*)
Joein L. Luces (*Tikog Press Machine*)
Rio S. Pagtalunan/Rommel N. Coroña (*CRT*)
Pablo Q. Acuin (*Hybrid Train*)
Joey G. Pangilinan (*AGT*)
Jose B. Ferrer (*Rotary Press for Abaca*)

M & E Conference

- Chairs : **Fred P. Liza (*PartnerShape Day*)**
Rodnel O. Tamayo (*FellowShape Night*)
- Vice-Chair : Eric B. Casila
- Members : Anthony Greg F. Alonzo
Alfredo Z. Panganiban
Jayson P. Rogelio
Mitchel R. Hernandez
Vincent Boy E. Manabat
Salvacion V. Ruiles
Karen R. Cagalingan-Santos
Gina A. Catalan
Rommel N. Coroña
Lina B. Afable
Ma. Girlie M. Millo
Johnny G. Quingco
Norma B. Garcia

Employees' Day

- Chair : **Jelly N. Ortiz**
- Members : Rosario D. Sancon
Marlene R. Rafanan
Ligaya M. Rubis
Anthony Greg F. Alonzo
Osric Primo Bern A. Quibot
Salvacion V. Ruiles
Remartin S. Maglantay
Lovely G. Boado

M&E WEEK CELEBRATION 2016

M&E Skills Competition



June 7-14, 2016

M&E WEEK CELEBRATION 2016

Unveiling of MIRDC Marker



June 13, 2016

M&E WEEK CELEBRATION 2016

M&E Conference



June 15, 2016

M&E WEEK CELEBRATION 2016

M&E Conference



June 15, 2016

M&E WEEK CELEBRATION 2016

M&E Conference



June 15, 2016

M&E WEEK CELEBRATION 2016

M&E Conference



June 15, 2016

M&E WEEK CELEBRATION 2016

MIRDC Homecoming



June 16, 2016

M&E WEEK CELEBRATION 2016

MIRDC Homecoming



June 16, 2016

M&E WEEK CELEBRATION 2016

MIRDC 50th Anniversary Celebration



June 17, 2016

M&E WEEK CELEBRATION 2016

MIRDC 50th Anniversary Celebration



June 17, 2016



ACT Machineries & Metal Craft Corp.

Main office and Manufacturing plant *"Kumpanyang Mapagkakatiwalaan"*
Brgy. Turayong, Cauayan City, Isabela
Telefax: 078- 652-2990/ 078-652-2996

Email Add.: act.corp@yahoo.com/act.metalcraft@yahoo.com

BRANCHES

Villasis, Santiago City, Isabela	078- 305-1061	Banggot, Bambang, Nueva Vizcaya	078- 803-2096
Centro, San Guillermo, Isabela	0917-302-7390	Aquino Ave., Pob. South, Solano, N.V.	078- 326- 5667
Centro, San Mateo, Isabela	078- 664-2516	Nat. High., S. Jose City, Nueva Ecija	078- 353-0393
Ugad, Cabagan, Isabela	078-376-0017	San Nicolas, Candon City, Ilocos Sur	077-674-0697
Maligaya, Tumauini, Isabela	078-323-0081	Acosta, Batac City, Ilocos Norte	077-792-3984
Centro 1, S. Mira, Cagayan	078-396-9741	San Agustin Sur, Agoo, La Union	078-376-0486
Calog Sur, Abulug, Cagayan	0915-251-8115	Sta. Maria, Alfonso Lista, Ifugao	0997-560-3200

"MANUFACTURER AND EXCLUSIVE DISTRIBUTOR"



MULTI-CROP THRESHER



JEEP THRESHER



2 TON TRAILER



AMPHITILLER



TRAILER



MUNGBEAN SHELLER



TRAILING HARROW



CORN SHELLER



CASSAVA GRANULATOR



CASSAVA GRATER



POWERTILLER



CORN PLANTER
(HAND TRACTOR DRIVEN)



SHREDDER



FURROWER



TRAILER BED



Licensed Manufacturer of
PhilMech Design Agri. Machinery



COMPACT CORN MILL



CASSAVA DIGGER



SOYBEAN SORTER,
GRADER & CLEANER



PNEUMATIC
CORN PLANTER

ACT SIDECAR & CENTER CAR



**"We design...
We innovate...
We mechanize...
...for farmers need"**



DEALER OF:



KUBOTA DC-70



KUBOTA TRACTOR L3608



MASSEY FERGUSON

DIESEL & GASOLINE ENGINES



WATER PUMPS



GENERATORS



POWER-SPRAYER, BRUSH CUTTER & ALTERNATOR



MIRDC 2017 Legacy Trophy Awardee

The Me&E Industries Celebrates the Legacy of Mr. Eduardo N. Chua Co Kiong



Mr. Eduardo 'Edi' N. Chua Co Kiong spent 20 years as a very active member of the metals and engineering (M&E) industries.

Mr. Eduardo 'Edi' N. Chua Co Kiong spent 20 years as a very active member of the metals and engineering (M&E) industries. During this time, he was President and Managing Director of Sankei Philippines, Inc., a Filipino-Japanese venture, whose business focused on Computer Numerically-Controlled (CNC) machining, fabricating, and stamping. As a result of his deep involvement in the M&E industries, he served as: National President of the Metalworking Industries Association of the Philippines, Inc. (MIAP) for two terms; Director of the Southeast Asia Business Development Council; Chair of the Society of Manufacturing Engineers (Manila Chapter 165); Director of the Philippine Die and Mold Association (PDMA); Vice

President of the Confederation of Small and Medium Exporters, Inc. (COSMEX); Chairman of the Board of Trustees of the Metal Engineering Industry Foundation, Inc. (MEIFI); and as a member of the Governing Council of the Department of Science and Technology – Metals Industry Research and Development Center (DOST-MIRDC) representing the private sector.

Even before going into the world of M&E, he was already a businessman. Being so, he is an active member of the Rotary Club of Malabon. Presently, he is still a very prominent personality in the Rotary Club of Malabon and is very much a hands-on entrepreneur as he attends to all his businesses. He is



a Director of several companies which include Malabon Longlife Trading Corp., Siu Hua Development Corp., Advance Foods Corporation, Ankem Trade and Development Corporation, Seven Stars Transport Corporation, and Adriatico de Malate Trade and Development Corp.

With all these responsibilities, one may wonder - What led him to an entrepreneurial career? What inspires him to keep going? Who is Edi behind the busy and influential personality that the business world knows?

oo0oo

Edi graduated with a Bachelor's degree in Chemical Engineering from the Adamson University. When he was younger, he has always been an honor student. In his first two years in college, his target was to graduate as a cum laude, at least. He studies when he comes home from school. Even when tending their store, he makes it a point to review. But he remembers his dad told him once, *'Di na bale yan. Basta pumasa ka lang.'* This was because the older Mr. Co Kiong wanted to train his children to focus more on understanding the business.

Edi is the fourth child in a family of 11 children. His parents were 100% Chinese and both were brought up to be business-minded individuals. This is how they also raised Edi and all his siblings. Edi recalls, *'Pag nangapitbahay kami para maglaro, susunduin kami nyan. Sasabihin, "Dun kayo sa tindahan." Medyo deprived kami nun sa paglalaro. Pero na-realize namin nung tumanda na kami na maganda pala yung training sa amin para sa business.'*

And so, Edi's career as a businessman began. At age 14, Edi finally became involved in the Malabon Longlife Trading Corp. *'Talagang alam ko sa business*

talaga ang linya ko,' shares Edi. In the business, he continued to learn a lot from his parents. *'Yung dad namin masyadong practical e. Nung natuto kaming magmaneho, nagvolunteer kaming magkapatid na kami na lang magdedeliver. Sabi namin sa dad noon, "Wag ka na maghire ng driver."* At that time, *ang sweldo ng driver ay P4.50 isang araw.'* Edi recalls that his dad passed on his sound business sense to him and his siblings. He tells how his dad explained the advantage of running one's own business. Edi's father used to say, *'Kung tatao sa tindahan, mas malaki ang kikitain.'* To Edi, this conversation with his father perhaps gave him the encouragement to be a businessman himself.

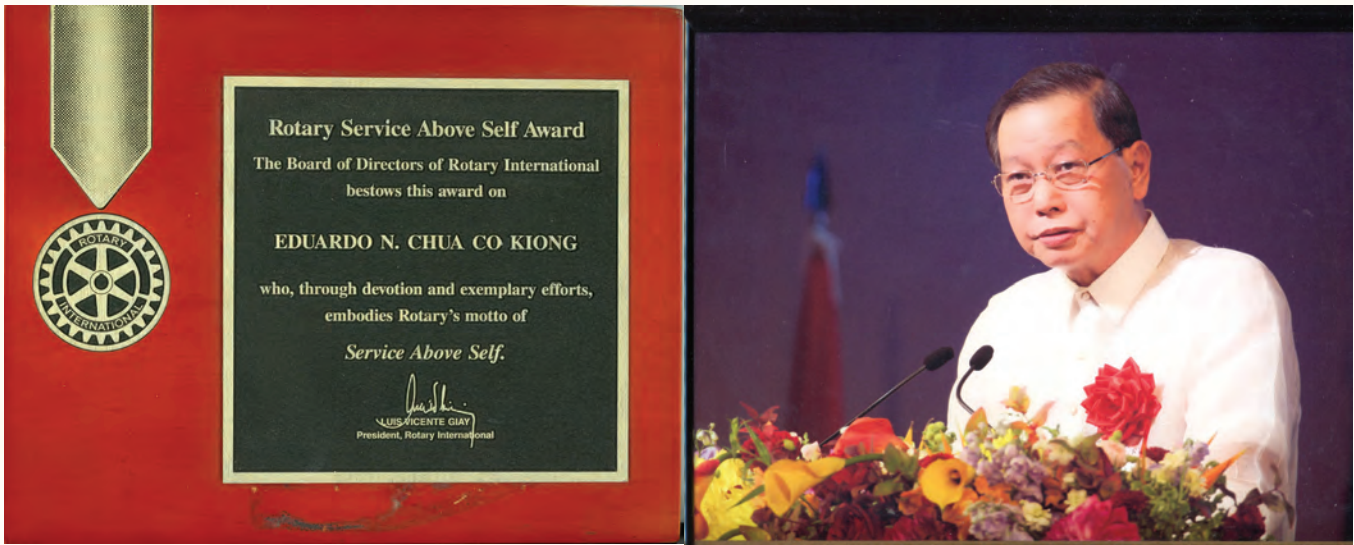
And because he became involved in business early on in life, he was invited to join the Rotary Club of Malabon at the very young age of 28. He was perhaps destined to become a member of the Club. *'Yung tinuro sa amin ng mga parents namin nung mga bata pa kami, pag kumita ka ng konti, i-share mo sa mahihirap. So inisip ko, if I am going to do it alone, may limitations. But if I join an organization, syempre ipu-pool ang resources namin, mas maraming matutulongan.*

'Halos pareho ang demands ng business at ng Rotary. Maganda ang training ng Rotary e. Tine-train ka how to lead. Membership in the Rotary is only by invitation. Only those with business or profession/vocation are qualified. Pero lately tinatanggap na din nila ang retired na, kung dati active sya sa business or profession.'

His membership in the Rotary started in 1978. Edi was elected Club Secretary and Club President-elect for Rotary Year 1981-82. At 31, Edi is the youngest to assume Presidency at that time. At 40, he has the distinction of being the youngest Governor to serve in the Rotary International District 3800. The Rotary indeed helped bring out the leader in Edi. As President, he was instrumental in raising funds for the construction and completion of the Malabon Rotary Clinic and Civic Center building started by his predecessor, PP Benito Lao. Housed in the Center was the Rotary Club of Malabon Foundation,



Edi leads the Society of Manufacturing Engineers (SME) during the establishment of sister-chapter relationship with SME Hong Kong in 1998.



(L) Edi is awarded the 'Service Above Self' recognition, and (R) Edi speaks at the Annual Conference of the Rotary District 2770, Saitama, Japan, in 2007 as Rotary International President's representative.

Inc. As the Chairman of the Board and President of the Foundation, Edi made sure that the Club's daily medical, dental, x-ray, and laboratory clinic facilities for indigents were managed well

Edi's leadership made a mark in the district level when he organized the Rotary Club of Malabon East in 1986 and the Rotary Club of Malabon Central in 2015. There were only 144 Rotarians worldwide to be conferred with the 'Service Above Self' award by the Rotary International headquartered in Evanston, Illinois, USA, in RY 1996-97. Edi was one of them.

Not surprisingly, Edi made a name for himself among business communities here and abroad. His Japanese friend came to him one time and invited him to venture in the machining business. *'Yung machining business, ang nagyaya sa akin ay yung Japanese friend ko, matagal ko nang kilala sa Rotary. Yun ang expertise nya, yun ang negosyo nya sa Japan. Ako wala akong alam dun e. Sabi nya, "madali lang. Mag-sosyo tayo." Kasi malaki ang tiwala nya sa akin e. Para matulungan natin ang mga Filipino workers na ma-upgrade nila ang kanilang skills,'* recounts Edi.

As his stint in the M&E industries unfold, his network also grew. He became involved and handled top leadership positions in industry associations such as the MIAP, the PDMA, the MEIFI, and the SME. Edi made waves in the industry the same way he did in the Rotary, but he chooses to be humble and low-key about his achievements. *'Ang alam ko lang na legacy ko yung pina-rotate ko ang national presidency. Monopoly dati ng Metro Manila e. Lahat ng nagiging National President ng MIAP, taga Metro Manila. So nung ako ang naging President, ni-rotate na para magkaron ng chance yung iba. Ang sumunod sa akin si Ed Chan ng Cagayan de Oro, tapos sumunod si Philip Tan, taga Cebu.'* The succeeding National Presidents also came from the regions. *Ngayon si Ines Palermo, the very first female National President, taga Iloilo,'* shares Edi. *'Maraming potentials yan. Hindi naman lahat ng magagaling nasa Metro Manila. After rotation, we were able to develop a new breed of industry leaders from the regional and provincial chapters. Nakapagdagdag din kami ng new chapters. From 11 chapters, we now have 16 chapters,'* Edi smiles with a sense of achievement.



(L) Edi (rightmost) with some MIAP members: Dick Directo, Chito Cura, and Nards Santiago, and MIRDC's Deputy Director Egay Lacbay; and (R) Edi (fourth from right) during the agreement signing with the TUP to provide scholarship grants to their students.



Agreement signing between the DOST-MIRDC and the MIAP.

When asked about what he thinks of the M&E industries and the MIRDC when he was a GC member, he says, 'Very dynamic ang MIRDC. We selected Art (Arthur Lucas D. Cruz) to be the Executive Director. I insisted before that we should get somebody from within.' He has a lot of fond memories with MIRDC personnel. He says he used to spend time with MIRDC officials, particularly the former Deputy Director Egay Lacbay, when he went to the regions visiting the various chapters as MIAP National President.

Edi says that the biggest lesson he learned from the industry is dynamism. '*Kailangan mag-adopt sa changes. Commitment. Hindi ka pwede mag-stop. Kunyari bumili ka ng makina. Continually you have to invest in your machines. Kasi ngayon ang labanan pabilisan e.*'

'We have to cope with changes in the industry. Dati we talk of mass production, *tapos* lean manufacturing. *Ngayon ay agile production na, yung quick response.*

The MIRDC believes in the same views that Edi has because the Center continually upgrades its facilities through acquisition of technology. Another strategy to improve the industry is to build manpower capabilities. The MIRDC and Edi also have this common belief. '*Sa nakikita ko, unless we invest in human resources, what I mean is i-train mo ang mga tao ng maayos, mahirap makipagsabayan sa com-*



Mr. Edi Chua Co Kiong with colleagues in the SME during a plant visit to Japan.

petition. Aside from the hardware/software investment, *yung tao ang importante,*' he explains.

'*Nung nagtayo kami ng Sankei, we hired a Japanese expert in machining. We pay him \$4000 a month just to train yung aming mga tao. Nakita namin after matuto, umaalis. Nag-aabroad. Kasi equipped na sila ng mga skills e. Ang consolation natin, natulungan natin ang mga Pinoy kahit papano. Yung business partner kong Japanese, si G. Yasokichi Mitsui, ay may soft spot para sa mga Pilipino. Sabi nya, "ok lang makatulong." Marami kaming na-develop na skilled workers sa machining. Parang tulong na namin sa bayan.'*

Sankei lasted for 20 years. Closing the business was an inevitable decision after the death of his Japanese partner. The company made a gradual exit, and they made sure that their staff had somewhere to go to. They recommended their employees to other companies. '*Binigyan namin sila ng separation pay, para they have something to start with. Yung iba nagtayo ng konting negosyo.*'

Rotary membership and being in the industry complement each other. 'I have been with the Rotary for the last 39 years.' But the difference between being a Rotarian and a businessman, he says is, 'When you are in a civic organization, *wala kang tinitingnan na return of investment. Lahat palabas.*'

'I'm still very active in business. Little by little, *pinapasa na sa mga anak,*' says the 67-year old businessman. 'I think our company is one of the biggest importers of flour sa Pilipinas. From Turkey and Indonesia,' reveals Edi. Even at this stage, he still keeps making an impact to the public. '*May local millers, nag uusap-usap sila kung magkano. But sometimes they create an artificial shortage para tumaas ang presyo. Tuwang-tuwa ang mga bakers kasi yung flour namin mas mababa ng almost P200. Pero lately na-pressure na sila magbaba ng presyo. Yun siguro ang part of our accomplishment, nakagawa kami ng bargain para ibaba nila ang presyo.*'

To the existing enterprises in the industry, he shares, '*Ang isang masyadong mahirap sa ngayon, masyadong customer-oriented ang pricing. Masyadong stiff ang competition.*' In recollection, what he highlighted to MIAP members before is still the same advice he wants to share to the younger generation. '*Inemphasize ko sa mga members namin na kailangan mag-invest sa human resource. Kailangan i-retrain ang mga workers natin. Kailangan mag-invest talaga sa software/hardware. Yung demands ng global competition, yung technological advancement, ang bilis.*'

His advice to those who are considering to put up a business is to really study the market and plan well. 'When you go into something, you really have

to plan it well. *Hindi yung impulsive. Dapat i-study mo yung competition mo, yung demands ng market. Hindi na kasing dali nung dati. Sa metalworking, ang customer magpapa-quote sa isang business. Tapos magpapa-quote din sa iba. Kung saan mas mababa, dun sya. Pag hindi mo ma-reduce ang cost, in terms of cycle time, in terms of materials, hindi ka makacatch up. Kailangan pag-aralan mong mabuti.*'

He leads such a very busy life up to now because he is used to being on top of things. When asked if he is hard-working, he says, '*Pwede na.*' On a scale of 1-10, he says he gives himself a grade of 7 for being hard-working. When asked if he considers himself successful, he again answers, '*Pwede na.*' But when asked if he is happy, he readily answers, '*Contented ako sa life ko.*'

His dedication and commitment to the business is another important legacy to the industry and to his family. Edi is married to Betty S. Sy, who is a dentist by profession. They have four children: Ryan, Lionel, Lorraine, and Beatrice. Lorraine is now married to Mr. Brent Ching and has a lovely daughter, Lyanna. As a contented father and grandfather, Edi shares this insight about how he values his family: '*Family is more important than career. Yun ang basic institution. Kaya tayo nagtatrabaho para sa family.*'

Edi (second from right), an accomplished businessman and a fulfilled family man, enjoys the company of the whole family which now includes Lyanna, his first granddaughter.





Philippine

Welding Society Inc.

"PWS ON THE 25TH YEAR OF SERVING THE WELDING INDUSTRY"

Philippine Welding Society started as a vision of various industry professionals whose aim is: to advance the science and professionalize the practice of welding in the country. On September 19, 1991, encouraged by the government, business sector, educators and practitioners, twelve founding members from construction, manufacturing and inspection companies bonded together and established the Philippine Welding Society, Inc. (PWS). On February 13, 1992, The Securities and Exchange Commission (SEC) registered the Philippine Welding Society Inc. as a non-stock, non-profit organization.

The Objectives of the organization are to promote the advancement of the science and practice of welding and to advise and support government entities whenever possible on matters of standardization, public safety and health; maintain among members' high ideals of integrity, learning, professional competence, public service and conduct; provide proper forum for meeting, exchanging of ideas and opinions, and to be involved in the solution of multifarious problems affecting the country in general and the welding profession; conduct workshops and seminars for purpose of keeping its members abreast of progress in the welding field; and promote consciousness among members of their serious responsibilities in helping our country move forward in our national development.



TRAININGS, SEMINARS, AND SERVICES OFFERED

- Qualification and Certification of Welding Personnel
- Welding Trainers Training
- Welding Supervisor's Training Course
- Maintenance Welding Training Course
- Welding Safety Seminar
- Preparation and Qualification of Welding Procedure Specification (WPS) for the Industry
- Conduct of Welding Inspection
- Welding Steel Fabrication
- Welding Repair and Maintenance
- Welders Performance Up-Grading Course

- Provide Forum for Exchange of Ideas on Welding Research and Development / Special Report
- Technical Bulletins
- Welding Exhibits / Trade Fairs
- Welding Library
- Technical Welding Consultancy
- Accreditations and Inspection of Training, Testing, Institutions and Industry
- Annual Welding Competition and Convention
- Free Technical Seminar and Workshops

LOCAL LINKAGES



INTERNATIONAL LINKAGES



BOARD OF TRUSTEES AND COMMITTEES

- ROBERTO M. DELA CRUZ**
Ex-Officio Official
Chairman Annual Convention & Special Projects
Chairman Information and Publication
CHIYODA PHILIPPINES CORPORATION
- BERNARDO A. BENITO**
Chairman Qualification & Certification Standards Development
BECHTEL CONSTRUCTION PHILS.
- ERIC J. MONTES**
Chairman Education & Training
MAYNILAD WATER SERVICES, INC.
- EDRALIN C. ICABALES**
Chairman Ways and Means
ATLANTIC GULF & PACIFIC COMPANY OF MANILA, INC. (AG&P)
- GALILEO S. SANTOS**
Chairman Membership
NYK-FIL MARITIME E-TRAINING INC.
- FERNANDO M. OPEDA**
PWS Executive Director

2017-2019 OFFICERS:

- REYNALDO L. DELA CRUZ JR.**
President
METALS INDUSTRY RESEARCH & DEVELOPMENT CENTER (MIRDCA)
- GERALD S. GALLARDO**
Vice - President
CIFRA Industrial Services Corporation
- SESINANDI C. ABULENCIA**
Secretary
WELDERS TESTING LABORATORIES (PHILS.), INC. (WTL)
- ISIDRO D. MILLO**
Treasurer
METALS INDUSTRY RESEARCH & DEVELOPMENT CENTER (MIRDCA)
- ROLANDO R. ORTAÑEZ**
Auditor
Asia Corrosion Services, Inc.
- ERNESTO B. POLICARPIO**
Public Relations Officer
ELSE TRADING

DOST-MIRDCA COMPOUND, GEN. SANTOS AVE. BICUTAN, TAGUIG CITY, PHILIPPINES
TeleFax: (632) 894-4609 / 818-5255,
Mobile Nos: 0917-9090261 / 0939-1050140
Webpage: <http://www.pws.org.ph>
E-mail: pws@pws.org.ph





Contact and Non-Contact Measuring Machines



For Large Object Measurement



Bandsaw Blades

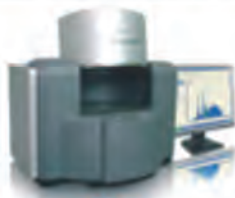
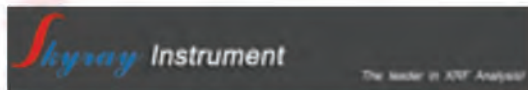


X-ray Systems

Environmental Test Chambers / Ovens



Microscopes



XRF



Air and Liquid Particle Counters



COMPANY PROFILE

MAEDAN ENTERPRISE, INC., established in 1988, is engaged in the distribution of technologically-advanced and well-known brands of equipment, materials and consumables to the electronics, semiconductor, automotive, pharmaceutical, consumer and food industries. We provide after-sales service support for the equipment we distribute.



7620 Chestnut Street, Marcelo Green Village
Parañaque City, Philippines 1700
Tel. #: (632) 823-4375, 776-1852, 824-2708
Fax #: (632) 823-7486
E-Mail: sales@maedan.com
Website: www.maedan.com
"Working Together to give you Quality Products and Services."

Advertisement Index

Advanced Transportation

Auto-Parts Testing Facilities (ATF)

ACT Machineries and Metal Craft Corp.

Berpa-Flex Technology

FIL-ASIA Automotive and Industries Corp.

Maedan Enterprise, Inc.

Mechatronics and Robotics Society of the Philippines (MRSP)

Mesco, Inc.

NDT Instruments Philippines

PDMex

Penta Technology, Inc.

Philippine Welding Society, Inc.

SANNO Philippines Manufacturing Corporation

MIRDC

VISION

Center of excellence in science, technology and innovation for a globally-competitive metals, engineering and allied industries by 2025.

MISSION

We are committed to provide both government and private sectors in the metals, engineering and allied industries with professional management and technical expertise on the training of engineers and technicians; information exchange; quality control and testing; research and development; technology transfer; and business economics and advisory services.

CORE VALUES

PROFESSIONALISM

We adhere to the highest ethical standards of performance.
We value our work and are committed to perform to the best of our ability.

RESPONSIVENESS

We spearhead implementation of projects that address the needs of the metals and engineering industries.
We find solutions to real-life problems through science, technology and innovation.

INTEGRITY

We act responsibly, work honestly, and encourage transparency.

DYNAMISM

We perform our jobs with vigor and enthusiasm.
We welcome change as an opportunity for growth and continual improvement.

EXCELLENCE

We adhere to world-class performance and continuous improvement in all we do.
We always do our best in every task/endeavor.

QUALITY & ENVIRONMENTAL POLICY

We are committed to provide products and services to both the government and the private sectors in the metals and engineering and allied industries with the highest standards of quality and reliability within our capabilities and resources and aligned to our strategic direction, to comply with applicable statutory and regulatory requirements, to plan and implement actions to address risks and opportunities and to continually improve the effectiveness of our Quality and Environmental Management Systems at all times in order to enhance customer satisfaction at all times.

We shall manage and control our activities in order to minimize adverse impacts on the environment, prevent pollution and safeguard the health and safety of all employees, stakeholders, customers, external providers and the surrounding community.



DEPARTMENT OF SCIENCE AND TECHNOLOGY
METALS INDUSTRY RESEARCH AND DEVELOPMENT CENTER

MIRDC Compound, Gen. Santos Avenue, Bicutan, Taguig City, 1631 Metro Manila
P.O. Box 2449 Makati, 1229 Metro Manila, Philippines

Telephone Nos.: (632) 837-0431 to 38 (connecting all departments)

Fax Nos.: (632) 837-0613 and 837-0479

Website: <http://www.mirdc.dost.gov.ph>

E-mail: mirdc@mirdc.dost.gov.ph