

THE NEWSLETTER OF

THE ROAD ENGINEERING ASSOCIATION OF ASIA & AUSTRALASIA



JULY 2016

PP2372/02/2013 (031869)

REAAA Council Meetings in 2015 and 2016!



15 March 2016

The 103rd Meeting of REAAA Governing Council, Dubai, United Arab Emirates (UAE).



4 November 2015

The 102nd Meeting of REAAA Governing Council, Seoul, Korea.



2 June 2015

The 101st Meeting of REAAA Governing Council, Kuala Lumpur, Malaysia.

The Governing Council for the 15th Council Term: 2013-2017

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Ir. Nik Airina Nik Jaffar (Malaysia)

Malaysian Institute of Road Safety Research (MIROS)

Director General, Prof. Dr. Wong Shaw Voon (Malaysia)

Welcome Address from President



Dr. Ir. A Hermanto Dardak, M.Sc.

Welcome to this edition of the REAAA Newsletter! On behalf of the Council members, I would like to congratulate everyone for their efforts in ensuring the success of the recent events in Seoul and Dubai.

I also thank you, the members, for giving me the honour of serving you over the last few years. I look forward to my last year as President, and the hard work to come, so that we can meet the challenges ahead.

I also thank the CEO and the Secretariat for helping to ensure that the Association continues to meet its collective needs, today and into the future.

Currently, we have over 1,800 members in 33 countries. Many of you have been engaged in efforts on behalf of the Association to advance our collective interests through your participation in various committees. Thank you to the members who have taken the time to contribute to these initiatives.

Recent activities brought us into a new era of collaboration. In Seoul, we opened communication with other regional road organisations such as DIRCAIBEA, SEETO, AGEPAR whilst, in Dubai, we strengthened our collaboration with the IRF. This collaboration will definitely be of benefit to our members as it will open up a broader network and expose us to new examples of best practise in the area of road development.

The next Governing Council meeting will be held in Tokyo, Japan, in November, whilst the 15th REAAA Conference will be held in Bali, Indonesia, in March 2017. The meeting in Japan will include discussions on issues and challenges related to our organisation.

(continued on next page)

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The REAAA Conference in 2017 will be the last activity under the current Council term. The theme of the Conference is “Roads for a Better Life”.

The next REAAA General Meeting will be held in conjunction with the conference, with the new President for the next Council term elected at this meeting. The 12th Heads of Road Authorities (HORA) meeting will also be held, at which the latest issues, especially efforts to reduce regional economic disparity, will be discussed. A number of other activities will also be held in conjunction with the Conference. We invite you to submit papers for presentation at the Conference and your participation generally.

Dear Members, as always, there will be new challenges and opportunities. Work will continue to be undertaken to enhance the benefits of REAAA, through the Newsletter, the Journal, Compendia and the REAAA K-Hub/website. REAAA is your association. REAAA works for you. We exist to provide and share information that assists you and thereby makes REAAA viable and successful.

We greatly look forward to another productive year and, as always, we are always ready to listen to you and learn from you.

Thank you for your continued support – may the forthcoming years bring you good health and great happiness.

DR. AHCMAD HERMANTO DARDAK

PRESIDENT OF REAAA

June 2016

Looking Forward to the Following Meetings in Tokyo, Japan

Four important meetings and events which are of great interest and significant to REAAA will be held in Tokyo, Japan, in November 2016:

- 104th Governing Council Meeting
- 10th Young Engineers/Professionals (YEP) Meeting
- 3rd REAAA Business Forum (BF) – New Technologies on Road Construction
- Highway Techno Fair (HTF), which is being held from 1st to 2nd November 2016 at the Tokyo Big Sight, Tokyo, Japan.

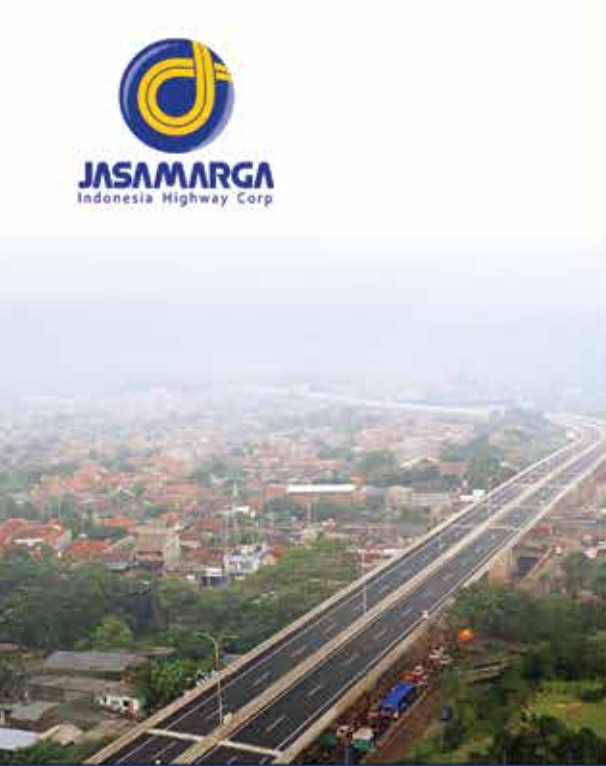
The 104th REAAA Council Meeting will be held on 1st November 2016 in conjunction with Highway Techno Fair. It will be organised and hosted by the Japan Road Association and the Express Highway Research Foundation of Japan.

The events will provide a great opportunity for REAAA Council Members, Ordinary Members and Young Professionals to discuss how best to develop, manage, maintain and operate today's and tomorrow's road networks and associated technology. The Council meeting, General meeting, YEP meeting and the Business Forum will be held in the Hotel Sun-Route Ariake. The Tokyo Big Sight is close to the Hotel Sun-Route Ariake (<http://hotelsunrouteariake.jp/>).

The Business Forum will be an important platform for networking and business matching. It is also a good opportunity for REAAA members and Young Professionals to share their experience and expertise.

The purposes of the HTF are to provide the public with an opportunity to better understand how the industry is performing in the area of expressway management, and offer industry an opportunity to exchange knowledge to help them develop their technologies and products.

REAAA look forward to seeing you in Tokyo, Japan!



Jasa Marga New Projects


Concession Section	Expiration	Length (km)	Investment Cost (Rp trillion)	Jasa Marg Ownership
1 Bogor Ring Road ⁽¹⁾	2054	11.00	0.98	65.00%
2 Semarang - Solo (part of Trans Java) ⁽²⁾	2055	72.64	7.30	73.91%
3 Gempol-Pasuruan (part of Trans Java)	45 Years from effective date	34.15	2.77	98.09%
4 JORR2 (Cengkareng-Kunciran)	35 Years from effective date	14.19	3.51	76.20%
5 JORR2 (Kunciran-Serpong)	35 Years from effective date	11.19	2.62	60.00%
6 JORR W2 NORTH (road section of JORR) ⁽³⁾	2044	7.70	2.15	65.00%
7 Surabaya-Mojokerto ⁽³⁾	2049	36.30	3.80	55.00%
8 Gempol-Pandaan ⁽⁴⁾	37 Years from effective date	13.61	1.47	89.17%
9 Nusa Dua-Ngurah Rai-Benoa ⁽⁴⁾	45 Years from effective date	10.00	2.48	55.00%
10 Medan-Kualanamu-Tebing Tinggi	40 Years from effective date	61.70	4.07	55.00%
11 Solo-Ngawi (part of Trans Java)	35 Years from effective date	90.10	5.14	59.99%
12 Ngawi-Kertosono (part of Trans Java)	35 Years from effective date	87.02	3.83	59.99%
13 Cinere-Serpong	35 Years from effective date	10.24	2.20	55.00%
14 Batang-Semarang (part of Trans Java)	45 Years from effective date	75.00	11.05	60.00%
15 Pandaan-Malang	35 Years from effective date	37.62	5.97	60.00%
16 Balikpapan-Samarinda	40 Years from effective date	99.35	9.97	55.00%
17 Manado-Bitung	40 Years from effective date	39.90	5.12	65.00%
TOTAL		711.17	74.43	

Project Initiate ⁽⁵⁾	Length (km)	Investment Cost (Rp trillion)
1 Jakarta-Cikampek II	64.00	13.38
2 Jakarta-Cikampek Elevated	34.84	14.13
TOTAL	100.84	27.51

Notes:
 (1) Section 1: Sentul-Kedung Halang (3.85 km) is operated since 23 November 2009; Section 2A: Kedung Halang-Kedung Badak (1.95 km) is operated since 04 June 2014.
 (2) Section 1: Semarang-Ungaran (10.80 km) is operated since 17 November 2011; Section 2: Ungaran-Bawen (12.30 km) is operated since 04 April 2014.
 (3) Section 1A: Waru-Sepanjang (2.30 km) is operated since 05 September 2011, Section 4: Kriyan-Mojokerto is operated since 19 March 2016
 (4) Operated since 01 October 2013.
 (5) Section Kebon Jenuk-Cileduk (5.70 km) is operated since 04 January 2014; Section Cileduk-Ulujami (2.00 km) is operated since 22 July 2014.
 (6) Section Gempol-Pandaan (13.61 km) is operated since 12 June 2015.
 (7) Jasa Marga Chosen as the Initiator of Jakarta-Cikampek II and Jakarta-Cikampek II Elevated Toll Roads

Jasa Marga
Traffic Information Center

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3. Regional concentration in Java and Sumatera – most populated islands in Indonesia.



Proven Track Record in Indonesian Toll Road Business

Start Operation	1978 - 2005	2009	2011	2013	2014	2015	2016	
Toll Road Concessions	Jagorawi (1978)							Bogor Ring Road (Section 2-3) ²
	Semarang (1983)							Gempol-Pasuruan ²
	Jakarta-Tangerang (1984)							Semarang-Solo ²
	Sedyatmo (1984)		Bogor Ring Road (Section 1) ²					Cengkareng-Kunciran ²
	Surabaya-Gempol (1986) ⁴							Kunciran-Serpong ²
	Belmera (1986)							Surabaya-Mojokerto ²
	Jakarta Inner Ring Road (1987) ¹		Surabaya-Mojokerto (Section 1A) ²		JORR W2N (Section 1-4) ²			Medan-Kualanamu-Tebing Tinggi ²
	Jakarta-Cikampek (1988)							Solo-Ngawi ²
	Padaleunyi (1990)							Ngawi-Kertosono ²
	JORR (1991-2005)		Semarang-Solo (Section 1) ²					Cinere-Serpong ²
	Palikancl (1998)							Batang-Semarang ²
	Ujungjati-Pondok Aren (2001)							Pandaan-Malang ²
	Cipularang (2004-2005)				Nusa Dua-Ngurah Rai-Benoa ²			Balikipapan-Samarinda ²
								Manado-Bitung ²
Total Length (km) under Corresponding Concessions ⁽²⁾	527	531	544	554	576	590	593	1223

Note: (1) Jakarta Inner Ring Road (JIIRR) is comprised of the Cawang-Tomang-Pluit concession granted to Jasa Marga and Cawang-Tanjung Priok-Pluit concession granted to CMNP.
 (2) Jasa Marga's newly acquired toll road concessions.
 (3) The cumulative length of road represents the current total road length that corresponds to key toll road concessions in this table, not to the year where the concession started.
 (4) Porong-Gempol Section (5 km) within Surabaya-Gempol Toll Road has officially been closed due to force majeure (mid) since 2006

A Glimpse from CEO....



One day in 2014, one of my colleagues approached me for helping Dr. Hermanto Dardak (HD), for his Presidency REAAA. Why me...? You know REAAA and IRDA well, and you know PK HD very much. The request was understandable, as HD is too busy on his day-day work as Vice Minister for Ministry of Public Works..

At this stage, I thought, my role could just only be a kind of 'liaison', particularly in relation with the communication between Jkt vs KL. Anyway, as an "easy going Malay", my answer was just "For By helping-helping: cincay, lah...!" "Insha Allah..." Then, came the Bali Conference, when we have an informal small meeting, where Mr. Gerald Waldron explained "the REAAA Strategic Plan", and the intention to assign a CEO... It's become very serious, isn't it...? Then came the Manila Council Meeting, where the 'dilemma' arose: hiring a CEO vs poor financial situation of REAAA. Mr. Dioko Murjarto (DM) of IRDA proposed a compromise solution, that CEO can be from Indonesia, and will be coasted to IRDA; which then accepted by the Meeting. The REAAA problem was solved, but it was a beginning of a kind of jumbled work for GH. The REAAA "Strategic Plan" was good; and in fact even too good for the ongoing condition of REAAA.

As reported in the previous meeting, it was concludes as follows:

- Technical Reports is now published through electronic means.
- Newsletter still to be published in hard copy.
- Internship and Fellowship, need to be initiated, as profit center.
- HORA Meeting.

The Dubai Meeting agreed that Internship and Fellowship are now handled by Dato' Dennis, of Malaysia. On the communication and correspondence side, particularly between Jkt and KL were performed well. It was actually, because we have Ms. Nonon Wardhani (NW), who was always chasing me, with her typical style, on any pending matters. What a helpful help...!?

For this particular Newsletter edition, I have had a rather unique experience. In accordance to Dubai Council Meeting, the publication of the Newsletter will be handled by a particular member country; which unfortunately started with Indonesia for this edition... While for getting Ads in the past was not easy, how could IRDA gained Ads for making it happened...!? Again, with the help of ms.Nonon, we able to build 'togetherness' amongst our business entity; which in fact not only for solving this Newsletter publication, but also for the preparation of the next Bali Business Forum. Anyway, what is lesson learnt from that...?! **I think, the 'core' of REAAA as an organization of professional association, is its Member Country/Chapter. Whatever agreed in any Council Meeting, will be meaningless without any follow-up by Chapter.**

We may list so many benefits that can be gained through the REAAA membership; but who cares, unless by the active role of the Chapter. And, one thing that probably forgotten is, that what ever technical products we produced, the end users of it are the construction industries, the business entity. And, in the case of IRDA, they were very supportive to any REAAA/IRDA activities. Of course, in making into reality, sometime we need someone that ready to 'provoke' the group. In this regard, again, thanks to God, that I have Ms. Nonon as a good 'provocator' [sorry, not an English term..!], who are ready to chase around. For which then, will be easier for me just to act as 'Atok', or which called 'Opung' in Batak...! My point is, for the future, for the next presidency, with or without CEO, the success of REAAA will be depending on the Chapters itself..! Thanking you...!

Jakarta, June 15, 2016

Gandhi Harahap

15th REAAA Conference

EARLY PREPARATION TO ENSURE REAAA PREMIER EVENT A RESOUNDING SUCCESS

Preparation for the 15th REAAA Conference, a premier event for the regional association, have been intensified. The Host Indonesia is making serious efforts to ensure that it will be highly successful event.

The REAAA Governing Council at its 102nd meeting endorsed the dates, venue and the theme after a briefing by the Conference Organiser Chairman, Dr.Teguh Rahardjo on progress of the preparation for the Conference.

- Date: March 22-24, 2017
- Venue: Bali Nusa Dua Hotel & Convention, Bali, Indonesia
- Theme: “Roads for Better Living”

15th REAAA CONFERENCE MARCH 22-24, 2017, INDONESIA

The REAAA Conference is held in conjunction with 2017 IRF Global Road Summit. On the Conference registration fees, REAAA President DR. A. Hermanto Dardak of Indonesia said discounted rates will be offered to REAAA members.

Among the major events to be held include:-

- Opening & Closing Ceremonies
- REAAA Council Meetings & General Meeting
- 12th Meeting of Heads of Road Authorities(HORA)
- 11th YEP Meeting
- Technical Sessions
- Business Forum
- Technical & Cultural Tours
- Katahira Awards
- Mino Best Project Awards

With all the above positive factors, the 15th REAAA Conference has this to offer:

- To network with 1000 international delegates
- To learn best practices from regional experts
- To enjoy the beautiful and rich culture of Indonesia

During the Conference, local and foreign participants will learn about new advanced in technologies, hear from practitioners about road infrastructure project and gain insights on current being done by leading experts from the Asia and Australasia Region.

Many technical papers are expected to be presented under the theme “Roads for Better Living”. Numerous exhibitors will also showcase their latest innovations, providing visitors opportunities to learn about a wide range of new products and services.

11th HORA Meeting

Head of Road Authorities (HORA) share experiences in Public-Private Partnerships (PPP). At the 101st REAAA Council Meeting, the CEO proposed that the HORA program be re-activated. He proposed that HORA meetings be held once a year and that the Korean Chapter be asked to host the next HORA meeting in Seoul in conjunction with the PIARC World Congress and the 102nd Governing Council meeting in November 2015.

The 11th HORA Meeting was held on 2 November 2015 to discuss Public-Private Partnerships (PPP) in road transport systems. It was an opportunity for senior government officials to share their experiences carrying out private-public projects in road networks. HORA members from eight(8) countries presented report on projects now underway in their jurisdiction, commenting on both the success and the pitfalls they encountered.

They represented Australia (IRAP), Indonesia, India, Korea, Malaysia, Pakistan, The Phillipines, and Thailand. Dato' Ir Haji Ismail Md Salleh, Director General of MHA, Malaysia who chaired over the meeting hopes the meeting will help participants understand about PPP in member countries.

The Korean Chapter assigned a budget of RM 30,000 to provide monetary assistance for participants from HORA member countries who cannot afford to pay the costs associated with attending the HORA meeting such as India, Pakistan and Thailand. The host country also provided one(1) airfares and accommodation to the speakers.

Topics and presenters at the 11th HORA Meeting as the followings:-

1. India

Title: **'India: -Highway Sector Overview and Road Ahead'**.

Mrs. Nivedita Srivastava, Chief General Manager (Finance),
National Highways Authority of India (NHAI) India.

2. Indonesia

Title: **'Indonesia Road Management and Delivery Challenges and Strategies'**.

Mr. Hedyanto W. Husaini, Director General
Highways, Ministry of Public Works and Housing, Indonesia.

3. Korea

Public and Private Infrastructure Investment Management Center (PIMAC)

Dr. Kangsoo Kim, Executive Director
Korea Development Institute (KDI), Korea.

4. Malaysia

Title: **'Public-Private Partnerships" (PPP) of Road and Highway Projects'**.

Dato' Ir. Haji Ismail Md Salleh, Director General
Malaysian Highway Authority (LLM), Malaysia.

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5. Pakistan

Title: **'Pakistan's Significant PPP Achievements in the Road Sector'**.

Dr. Iftikhar Mehboob, Director (PPP-II)

Private Partnership Cell, National Highway Authority, Pakistan.

6. Philippines

Title: **'Investment Opportunities in the Philippines'**.

Honorable Secretary Rogelio L. Singson,

Secretary, Department of Public Works & Highways Philippines.

7. Thailand

Title: **'Management of Low Volume Road in Thailand'**.

Hathairat Maneetes, Ph.D., Civil Engineer

Bureau of Road Construction, Department of Rural Roads Thailand.

8. iRAP

Title: **'PPP and Impact Investment Models to deliver large scale road safety gains'**.

Rob MCINERNEY, Chief Executive Officer

International Road Assessment Programme (iRAP), Australia.



REAAA Business Forum

New Technologies on Road Construction



Date:
Tuesday, 1st November, 2016

Time:
13:00 - 15:30

Venue:
Hotel Sun-Route Ariake

Website:
<http://hotelsunrouteariake.jp/>

**PARTICIPATION
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Background and Objectives

Road technology always ends up with its application by business entities. The Business Forum ("BF") is to provide the opportunity to connect Business-to-Business and Government-to-Business in road engineering technologies in Asia and Australasia region. REAAA organized the BF twice: the 1st BF took place in Bali, Indonesia in April, 2014 and the 2nd was held in Sydney, Australia in October, 2014. The 3rd REAAA Business Forum is planned to be held in Tokyo on 1st November 2016. The theme of the 3rd BF is "New Technologies on Road Construction."

It is expected to exchange road engineering information and to enhance relationship among business persons, institutions, and companies of REAAA member countries.

The BF Program (Tentative)*

More than 6 presenters

- Various Industries, Expressway Companies, Ministry of Land, Infrastructure, Transportation, and Tourism, etc.

13:00	Opening
13:10-14:10	Presentation <ul style="list-style-type: none"> • New Technologies - Road Pavements • New Technologies - PC Bridges • New Technologies - Steel Bridges
14:10-14:30	Coffee Break
14:30-15:30	Presentation <ul style="list-style-type: none"> • New Technologies - Big Road Construction Project • New Technologies - Expressway Operations • ITS Technologies on Highways
15:30	Visit to "Highway Techno Fair"
19:00	REAAA and the BF Dinner

* The Final Program of the BF will be delivered in September 2016.

Remarks

- Official Language is English only.
- 104th REAA Council Meeting is planned to be held on the morning of 1st November 2016 at Hotel Sun-Route Ariake. Council members will attend the BF.
- In case there are companies from abroad willing to make a presentation at the BF, please contact the Japanese Secretariat of BF.

Highway Techno Fair (HTF)

- HTF has been held to introduce expressway related technologies since 2004.
- There were more than 200 exhibitors and nearly 18,000 visitors in 2015.
- HTF will take place at Tokyo Big Sight, 10 minutes walk from Hotel Sun-Route Ariake, on 1st and 2nd November, 2016.
- Participants to the BF are expected to visit HTF.

JAPANESE SECRETARIAT OF BUSINESS FORUM

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103rd Meeting of REAAA Governing Council, Dubai, United Arab Emirates (UAE)



Mr. Ahmed Al Hammadi, Roads Department Director, the Ministry of Infrastructure Development and Mr. Gerard Warldron, Vice President of REAAA at the 103rd REAAA Council meeting.



Mr. Hashiba reports the plan of 104th REAAA Council meeting to be held in Tokyo, Japan.

The REAAA Governing Council held its 103rd on 15 March 2016 in Dubai, UAE. The meeting hosted by the Roads Department of Ministry of Infrastructure Development, UAE and IRF.

The meeting was successful, with 16 out of the 35 Council members attending. A total of 51 delegates from eight countries (Australia, Indonesia, Japan, Korea, Malaysia, Singapore, Philippines and Taiwan) attended the meeting, with Philippines forming the largest delegation of 11 delegates.

The meeting was called to order by the President, DR. A. Hermanto Dardak.

Reports tabled by the Finance Committee, Technical Committee, Membership Promotions Committee, and the Honorary Secretary-General's report were all approved at the meeting. Several important decisions were also made and key proposals adopted, including the plans for the Internship and Fellowship Programme, the preparation for the 104th REAAA Council meeting in Tokyo, Japan, plan of the 15th REAAA Conference in Bali included the plan to set-up Committee members of Mino Best Project Award and input into forthcoming events in REAAA member countries.

The Finance Committee made a sincere request to local Chapters and council members to help in the collection and remittance of overdue membership subscriptions. The Finance Committee would also like to record its appreciation to members for their assistance in the collection of membership dues. It was also agreed at the meeting that all Chapters/member countries would identify those members whose subscriptions are long overdue, with a view to terminating their membership if they have not paid within 3 months of being asked for the outstanding membership dues to be paid.

The Seminar with theme "Overview of Flagship IRF Programme held on 14 March 2016 and attended by REAAA members. The YEP Meeting held on 15 March 2016.

The Roads Department of Ministry of Infrastructure Development, UAE hosted the Welcome Dinner for REAAA Council members, IRF members and local authorities on 15 March 2016.

The President on behalf of the Governing Council, extended his sincere thanks to IRF, Ministry of Infrastructure Development, UAE, IRF and whoever else contributed to the success of the meeting and associated events.

REAAA Young Engineers & Professionals (YEP)

The REAAA Young Professional Outreach Program (YEP) was formed as part of the REAAA Strategy Map and Initiatives 2010-2012. The main aim of this program is to 'represent and provide a voice for young professionals and to encourage a culture of innovation, integrity and a pursuit of excellence'. The criteria to be a REAAA YP member are to be a REAAA member below the age of 40 and, have an engineering background.

The first inaugural YEP meeting was held in Bangkok during 95th REAAA Governing Council Meeting in 2012. YEP Meeting then being set to be held during each REAAA Governing Council Meeting. The members of the meeting initially were the young officers that attending the Governing Council Meeting with their Council Members. Later, the YEP members had increased since its official establishment. During each Council Meeting, there will be YEP representatives that will present their meeting outcomes. Till now, the REAAA YEP Meeting has close to its 10th meeting edition in this coming October 2016.

The initial edition of YEP meeting, were much discussed on its Terms of Reference and possible activities that can be done. It has then, evolved to include technical presentation on its agenda since 3rd meeting. The technical presentation provide a platform where the YEP members can share and present their field of interest and expertises to the other members. Technical visit were also included into YEP program depending on host country during each edition. Besides the formality of a meeting, YEP also encourage the development of leadership and management skills of its members. It is always an encouragement for the host country YEP to organize and chair the meeting as well as communicating between members prior to the meeting. To recruit more members and promoting their establishment, REAAA YEP had set up a facebook account to post its activities and other relevant information that can attract new members. As a form of recognition for its establishment, each REAAA country members has had their young professionals to attend the meeting and getting involve in its activities



REAAA YEP 9th Meeting in Dubai, UAE March 2016. Also attended, Patrick Sankey of IRF President

(continued on next page)

IRF & REAAA Renew Partnership



On March 15, the Road Engineering Association of Asia and Australasia (REAAA) and the International Road Federation (IRF) renewed a memorandum of understanding during the 103rd REAAA Council Meeting in Dubai, UAE.

This General Cooperation Agreement aims at strengthening the framework for cooperation mechanisms between IRF and REAAA in the following areas:

- Intra-regional transfer of technology and best practices;
- Information and communication services;
- Seminars, workshops, symposiums and regional congresses in the Asia-Pacific region;
- Educational and scientific programs;
- Implementation of joint research projects and training activities.

The International Road Federation is a nongovernmental, nonprofit organization with the mission to encourage and promote development and maintenance of better, safer and more sustainable roads and road networks. Working together with members and associates in 118 countries, the IRF promotes social and economic benefits that flow from well planned and environmentally sound road transport networks. It helps put in place technological solutions and management practices that provide maximum economic and social returns from national road investments.

(continued from page 2)

REAAA YEP has achieved a lot since its establishment but it has a long way to go. It shall be a platform where REAAA members could train its future leaders and establish connections between young professionals for the future cooperation. Exchange programs between country members is being planned to be one of its star activities. Furthermore, YEP also shall work to be the backbone of the REAAA Technical Committees. There are constraints and hurdles surrounding YEP and REAAA as it is, but YEP is committed to progress and taking advantage of this platform to excel in Road Engineering for the better future.

MEETINGS IN

11th HORA Meeting

2 November 2015

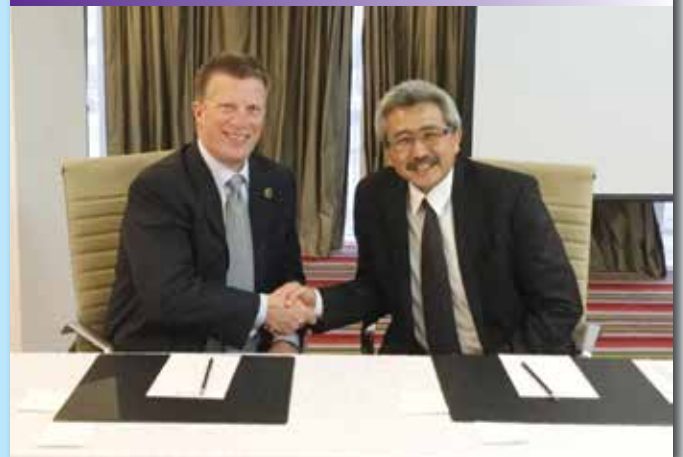


PIARC Meeting

5 November 2015

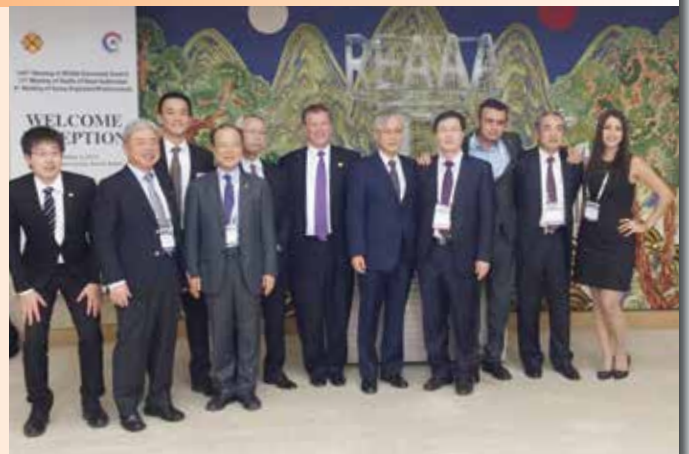
IRF & REAAA

15 March 2016



REAAA at Glance

November 2015



DUBAI, UAE

103rd Meeting of REAAA Governing Council

15 March 2016



REAAA WELCOMES NEW MEMBERS

The membership of REAAA as at 29 February 2016 was 1,427. The REAAA Council and Chapters have approved the following 88 new members for the period between from 1 October 2015 to 29 February 2016.

Institutional	6
Life	74
Ordinary	6
Associate	2
Total	88

The List of new members approved at 103rd REAAA Council Meeting in Dubai, UAE on 15 March 2016 is as follow:

Institutional Members

1. Lafarge Malaysia Berhad	Malaysia
2. Zacklim Flat Floor Specialist Sdn Bhd	Malaysia
3. Ennis Manufacturing Sdn Bhd	Malaysia
4. WTG Construction	Philippines
5. Northern Builders	Philippines
6. Equi Parco Construction	Philippines

Life Members

1. Wilfredo Mallari	Philippines
2. Samson Hebra	Philippines
3. Nestor Del Rosario	Philippines
4. Nomer Abel Canlas	Philippines
5. Eugenio, Jr Pipo	Philippines
6. Antonio Jr. Molano	Philippines

7. Ruben D. De Los Reyes	Philippines
8. Gene Leano	Philippines
9. Ruben Santos	Philippines
10. Neil Farala	Philippines
11. Magiting Cruz	Philippines
12. Arthur Jr Pascual	Philippines
13. Alberto Gahid	Philippines
14. Leonardo Llanes	Philippines
15. Hermon Ines	Philippines
16. Restituto Bautista	Philippines
17. Ixoperio Benzon	Philippines
18. Rommel Aguirre	Philippines
19. Armando Manabat	Philippines
20. George DC Santos	Philippines
21. Hercules C. Manglicmot	Philippines
22. Rosbe S. Dizon	Philippines
23. Amador B. Alqueza	Philippines
24. Samson A. Gonzales	Philippines
25. Blas M. Balagtas	Philippines
26. Rey M. Lerio	Philippines
27. Marlene C. Sabado	Philippines
28. Flor A. Miclat	Philippines
29. Daisy A. Umbina	Philippines
30. Myrnlyn D. Gangano	Philippines
31. Sammy O. Bilog	Philippines
32. Jonathyan D. Labio	Philippines
33. John Jericho G. Ladrangan	Philippines

(continued on next page)

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34. Joseph Eric G. Gayondato	Philippines
35. Alfred Leander D. Mallari	Philippines
36. Mark James Mateo	Philippines
37. Marc Justin A. Pamintuan	Philippines
38. Ryan Cesar F. Pereyra	Philippines
39. Leomar J. Palon	Philippines
40. Haydee P. De Guzman	Philippines
41. Karen Gail C. Miguel	Philippines
42. Eliazar B. Bautista	Philippines
43. James O. Sarmiento	Philippines
44. Edward Ricardo G. Ramos	Philippines
45. Rody Angulo	Philippines
46. Victor Angeles	Philippines
47. Peter Angeles	Philippines
48. Agnes Carrion Lu	Philippines
49. Marylyn Inguillo	Philippines
50. Mark Andrei Angeles	Philippines
51. Ana Victoria Angeles	Philippines
52. Loida Salalila Busa	Philippines
53. Reynaldo Acido	Philippines
54. Cristopher Gongora	Philippines
55. Benjamin A. Bautista	Philippines
56. Joselito Caballero	Philippines

(Status changed from Ordinary to Life)

1. Edna F. Menez	Philippines
2. Erelina Santos	Philippines
3. Florina Gonzales	Philippines

4. Raymond Delos Santos	Philippines
5. Alfred Delos Santos	Philippines
6. Efren David	Philippines
7. Nilo Gavia	Philippines
8. Melvin Navarro	Philippines
9. Lydia Chua	Philippines
10. Mikunog Makud	Philippines
11. Wenceslao M. Leano	Philippines
12. Willy T. Go	Philippines
13. Gigi Ibasco	Philippines
14. Charito M. Ebalde	Philippines
15. Danilo E. Dequito	Philippines
16. Mario Castellano	Philippines
17. Lorna Ricardo	Philippines
18. Joy M. Hain	Philippines

Ordinary Members

1. Jodi Enright	New Zealand
2. Mohammad Abdul Khalik Mohammad	Iraq
3. Manny B. Bulusan	Philippines
4. Antonio V. Sobrevinas	Philippines
5. Jaime A. Areglo	Philippines
6. Pol Delos Santos	Philippines

Associate Members

1. Abdul Aziz Saad	AS.0134 Malaysia
2. Rozani Aziz	AS.0135 Malaysia

The REAAA Internship Programme



Introduction:

The 103rd REAAA Council meeting in Dubai agreed to coordinate an Internship Programme for REAAA members. This programme offers members valuable work experience and opportunity to have new perspective on various processes, procedures and programme in REAAA member countries. The proposal to request each host country to ensure that interns be paid at a level at least comparable to local salaries. Air fares would also be provided. A nominal fee will be levied by REAAA for each participations from the host companies.

REAAA - is pleased to announce the REAAA Internship Program, an easy, affordable framework and any REAAA member countries can send one or more interns to work in REAAA member countries (Asia and Australasia) to be placed in top REAAA's companies for a period of one (1) year. The Internship Programme is designed to complement development-oriented studies with practical experience in various aspects of road engineering.

Objective:

REAAA offers an exciting learning experience for members of REAAA. REAAA have the ability to offer opportunities for internship programme with REAAA members in the Asia Pacific region.

Benefits:

It is an interns between members of REAAA, and ultimately an exchange of skills, knowledge and best practice. Internship Programme provide many benefits for participants and hosts.

Organization will get:

- The opportunity to have new perspectives on various processes, procedures and programs
- The increased visibility of your organization on member countries
- The freedom for professional staff to pursue other important projects and tasks
- A flexible, cost-effective work force that does not require a long-term employment commitment
- Increased opportunities for technology transfer
- Host companies gain a temporary staff person with different skills and new perspectives; staff at the host gain additional motivation as they participate in the programme.

Interns will be a paid a salary in line with the salaries of similar employees of the host company and a return airfare by the host companies. A nominal fee will be levied by REAAA for each participations from the host companies.

The companies' members of REAAA are pleased to become the host of Internship Programme and to provide the followings:

- Possible number of interns that could be accommodated by your institution;
- Area of specialisation/discipline of the required intern(s);
- Recommended level of qualification of each required intern;
- Basic requirements and responsibilities of the host institutions are to:
- Identify suitable candidates from the list of candidates supplied by the REAAA, and conduct formal or telephonic interviews with the applicants (host institutions are advised to consider their Human Resource Plans when hosting interns and to consider interns as part of their staff development programmes.)
- Supply the name/s of the individual/s who will be mentoring the intern/s;
- Obtain a commitment from the mentor to participate in the intern performance management system used in the programme and;
- Indicate the project through which the intern will be trained and provide a work plan for the year for each intern. This plan for the interns' development should include goals, targets, expected outputs and skills development.

Interested host companies are invited to contact REAAA secretariat soonest possible at email address: exec.sec@reaaa.net

Interns will get:

- Bridge the gap between theoretical study and the professional world
- Gain self-confidence and motivation and develop expertise in interacting with people from different countries
- Improve significantly the level of job
- Develop professional behavior and social skills
- Increased opportunities for technology transfer
- Participants can gain new skills, motivation, new perspectives and an expanded network; plus it might be a reward for outstanding achievement.

The requirement for Interns as the followings:

- REAAA members.
- Degree in Engineering, Economics, Accounting, Finance etc. (related to road engineering and transportation).
- Experience: fresh graduate up to 5 years working experience to the related field.

Interested interns to submit to REAAA secretariat at email address: exec.sec@reaaa.net their:-

1. CVs, 2. Copies of degree & qualification, 3. Indication of areas of interest, 4. Indication of preferred host countries, 5. A short write up on why they would like to participate in this programme and how they can contribute to the host country development

The REAAA Fellowship Programme



Introduction:

The 103rd REAAA Council meeting in Dubai agreed to coordinate the Fellowship Programme for REAAA members. This programme offers to sponsor delegates from poor countries selected members who are currently holding a position in member countries in the road fraternity to attend REAAA endorsed conferences as the speaker. The 3 target conferences:

1. The 2nd IRF Asia Regional Congress & Exhibition in Kuala Lumpur, Malaysia, October 2016.
2. ARRB Conference in Australia in November 2016.
3. 15th REAAA Conference in Bali, Indonesia in March 2017.

Objective.

The REAAA Fellowship Program provides a one-time financial support to selected members who are currently holding a position in member countries in the road fraternity.

Benefits.

i. Industry Development

Investments in the Fellowship Program provide a powerful stimulus for the advancement of the road industry worldwide. Companies that compete for business in the industry will be among the beneficiaries.

ii. Tomorrow's Leadership

An investment in the REAAA Fellowship Program ensures that the best and brightest young professionals to become tomorrow's leaders.

iii. Business Resource

With rapid globalization, the world is getting smaller and companies need to think globally concerning their responsibilities and opportunities. The Fellowship Program provides contacts for REAAA Members countries.

iv. Corporate Philanthropy

Many corporate leaders are charitably motivated to support education as a long-term investment in human capital. Support of the REAAA Programme provides senior leadership with an opportunity to engage employees while supporting a worthy cause.

v. Networking Potential

As a supporter of the REAAA Fellowship Program, contributors have an opportunity to develop long-term personal and professional relationships with young, upcoming industry professionals who will one day be key industry representatives.

Financial Support.

REAAA needs support to make the goal a reality.

Sponsorships.

The Association invites the organiser of the conference or companies for financial support towards the costs to the speakers to attend the conferences. REAAA is seeking support and contribution of up to US\$2,000.00 –USD3,000.00 for each Fellowship from:

- i. Conferences' organiser.
- ii. Organizations, agencies and individuals can sponsor at any time.
- iii. Companies can sponsor members from particular country as part of a multi project they are conducting in the country.

We are pleased to invite your organisation to be one of the sponsors for upcoming event. We look forward to an affirmative response of sponsorship you're your organisation to make this event successful.

Please email to REAAA Secretariat to sponsor and for further information.

Fellowship

Invitation to apply for Fellowship as a speaker.

Eligibility requirements:

REAAA members who are currently holding a position in member countries in the road fraternity.

We offer:

Financial assistant between US\$2,000.00 - US\$3,000.00/person (airfare & accommodation)

The criteria for provision of financial support for speakers at the Conference are as follows.

- Among those who confirmed their attendance and presentation for the Conference, financial support will be provided and will be selected by the Fellowship Committee.
- Financial support includes costs for flight tickets and accommodations. Successful application will, in general, be based upon a conference designed to attract experts in their respective fields. Conferences that have open call for papers are preferred.

Further details may be obtained from the Association, and applications should be made in writing to the same place. If appropriate a REAAA business Forum could be arranged with the Fellows as speakers.

Please contact REAAA secretariat at email address: exec.sec@reaaa.net and submit:-

1. CVs
2. Copies of degree & qualification,
3. Indication of preferred conferences
4. Invitation letter from conference's organiser.

Calendar of Events

Mark your calendar for these upcoming events!!!

No	Date	Meeting/Seminar/Conference/Event	Country/Venue	Organiser
1	16-20 October 2016	2 nd IRF Asia Regional Conference 2016: Connecting Asia with Better Roads	Kuala Lumpur, Malaysia	IRF
2	18-20 October 2016	ERIC 2016: 1 st European Road Infrastructure Congress 2016	Leeds, United Kingdom	ERF
3	31 Oct - 2 November 2016	104 th REAAA Council Meeting 10 th YEP Meeting Business Forum	Tokyo, Japan	REAAA/JRA
4	16-18 November 2016	27 th ARRB Conference	Melbourne, Australia	ARRB Group
5	8-12 January 2017	Transportation Research Board (TRB) 96 th Annual Meeting 2017: Transportation Innovation: Leading the Way in an Era of Change	Washington, DC, USA	TRB
6	21-24 March 2017	15 th REAAA Conference 15 th REAAA General Meeting 105 th and 106 th Council Meeting HORA Meeting 11 th YEP Meeting Business Forum	Bali, Indonesia	REAAA/IRDA
7	8-10 May 2017	5 th International Roundabout Conference 2017	Green Bay, Wisconsin, USA	TRB
8	12-15 June 2017	1 st International Roadside Safety Conference 2017: Safer Roads, Saving Lives, Saving Money	San Francisco, California, USA	TRB
9	14-17 November 2017	18 th IRF World Meeting 2017	New Delhi, India	IRF
10	20-23 February 2018	XV th International Winter Road Congress	Gdansk, Poland	PIARC
11	6-10 October 2019	26 th World Road Congress	Abu Dhabi, UAE	PIARC



**M. ABUBAKAR CONSTRUCTION
AND ENGINEERING, INC.**



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139 Valero St., Salcedo Village
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**NS Valderosa Street
Beside Old CAP Insurance
ZAMBOANGA CITY
(062) 984-2070/926-1431**

**Sulu First Estate Subd.
Rm 2.6 Upper San Raymundo
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ROADS AND BRIDGES • SURVEYS AND DESIGNS • REAL ESTATE DEVELOPMENT



PT. HUTAMA KARYA (PERSERO)

#IMVID

INDONESIA'S MOST VALUABLE INFRASTRUCTURE DEVELOPER

Since its foundation in 1961, Hutama Karya (HK) always became a significant part for the history of Indonesian Infrastructure development. HK had produced a great deal of historical landmarks and projects around Indonesia, such as Indonesia's House of Representative Building in Senayan, Jakarta; Cawang – Tj. Priok Toll-Road in Jakarta; Ampera Bridge in Palembang; as well as Ayer Hitam Toll-Road in Malaysia and Metro Manilla Skyway in Phillipines. During that period of time, HK always became the pioneer in construction technology and methods. For example, HK had established itself as the first contractors to apply pre-stressed concrete at Semanggi Intersection project in Jakarta. Then, HK also invented the 'Sosrobahu' technology—a special method in which builders could construct a fly-over road in the midst of active traffic without creating a significant traffic-jam. This technology was implemented at the Cawang – Tj. Priok Toll Road in Jakarta as well as at the Metro Manilla Skyway in the Phillipines.

Today, HK was officially appointed by the Indonesian Government to develop Trans-Sumatera toll-road in Sumatera. Trans-Sumatera will connect Aceh all to the way to Bakahueni (Lampung) in a 2,770-kilometer length of toll-road. This entrusted Government's assignment has creating a new direction for HK to

transform itself, from a contractor to a full-fledged infrastructure developer, with broader field of business, wider need for the core-competency, in which all of that led to a greater opportunity for corporate growth and sustanaibility. Therefore, as a first step toward this massive transformation, HK had already change its long-standing corporate vision into a new one : "Indonesia's Most Valuable Infrastructure Developer"



SEMANGGI INTERSECTION
JAKARTA



FLYOVER ANTASARI - BRAWIJAYA
JAKARTA



TOL BANDARA NGURAH RAI - Tj. BENDA
BALI 2



FLYOVER CIPADA - CIPULARANG TOLL-ROAD
WEST JAVA



FLYOVER
BOJONEGORO

OUR ONGOING PROJECT IN ROAD BUILDING



MOJOKERTO - KERTOSEONO TOLL ROAD
SECTION 2

CINERE - JAGORAWI TOLL ROAD
PROGRESS



Inovasi Untuk Solusi
#IMVID

The project is being constructed by one of our subsidiary company, PT. HK Infrastruktur, a highly specialized builder in road, bridges, and other infrastructure construction. The founding of HK Infrastruktur also became a necessary step for HK to transform beyond construction company into Indonesia's Most Valuable Infrastructure Developer #IMVID



Along with the issuance of Presidential Decree about the Development of Trans-Sumatera Toll-Road (Perpres No. 100 Tahun 2014), Hutama Karya was officially appointed by the Indonesian Government to develop the 2,700 kilometers-length of Trans-Sumatera toll-road. The priority of the project is to develop eight segment with total length of 650 kilometers.

The development of Trans-Sumatera is set to maximize economical benefit for Sumatera in which eventually contributed to the National economy. The economical benefit could be taking form as the increase in employment rate and state revenues, as well as fostering access to the development of neighboring regions while expanding the property and estate value, thus raising the potential for the housing development in Sumatera.





PT Jababeka Tbk was established in 1989 and is the first publicly listed industrial estate developer in Indonesia, being listed on the Jakarta Stock Exchange in 1994.

Jababeka's core business is developing industry-based real estate, supported and enhanced by infrastructure and township management services. The Company's business model is to develop industrial real estate sites in a manner which builds critical mass of demand at each site. The demand created allows the Company to offer and enhance complementary commercial and residential real estate development as well as infrastructure and estate management services, in time creating an industry-based township.

The Company's business can be divided into the following pillars:

1. Land & Property Development,
2. Infrastructure & Services, and
3. Leisure & Hospitality.

The Company's flagship development is the 5,600 hectare fully integrated township, Kota Jababeka in Cikarang, with an estimated population of over 1 million people. Kota Jababeka has proven to be successful in transforming an empty and unproductive piece of land into a bustling city with a thriving community. The township lies only 35 kilometer east of Jakarta, strategically located along the Bekasi-Cikampek corridor, which is home to a dozen of industrial estates that cater to light, medium and automotive industries. Kota Jababeka is accessible by toll and railroad and can be reached by car in approximately 30-40 minutes from Jakarta's Central Business District.

Kota Jababeka is a self-contained township with an industrial estate that is home to around 1,650 local and multinational companies from 30 countries (i.e. USA, UK, France, Germany, The Netherlands, Australia, Japan, China, Taiwan, Singapore, Malaysia, etc.) employing over 700,000 workers and 10,000 expatriates. Jababeka's tenants include multinationals such as L'Oreal, ICI Paints, Mattel, Samsung, Unilever, United Tractors, Akzo Nobel, and Nissin Mas.

As Kota Jababeka increased in size and population, the need for supporting and leisure facilities emerged and the Company added an education park, central business

district, golf course, business club, and several other facilities, at which point the Company evolved to become a true township developer.

Using Kota Jababeka as the blueprint, the Company is developing an integrated township in Tanjung Lesung that caters to the tourism, hospitality and leisure industries. Tanjung Lesung, lies approximately 180 kilometers southwest of Jakarta. In addition, the Company has also embarked on a industry-based township development project together with Singapore-based Sembawang Corporation in the Kendal Regency of Central Java.

Jababeka: Creating 100 New Cities in Indonesia

Indonesia has a population of more than 250 million people, which are spread over more than 6,000 islands; however, about 50% of national economic growth has stemmed only from Java. There are many opportunities for growth in other islands of Indonesia.

Hence, it is Jababeka's vision to create modern self-sustained cities in every province across Indonesia to provide jobs for better life and reduced urbanization.

As cities develop, the population in the region will get access to better education and more opportunities that will increase the quality of life. PT Jababeka is committed to continue to work with keen regional governments in Indonesia and to duplicate the success of Kota Jababeka in their provinces. Such is the dream to create 100 cities in Indonesia.

PT. Jababeka Infrastruktur: Quantum Leap Infrastructure Development

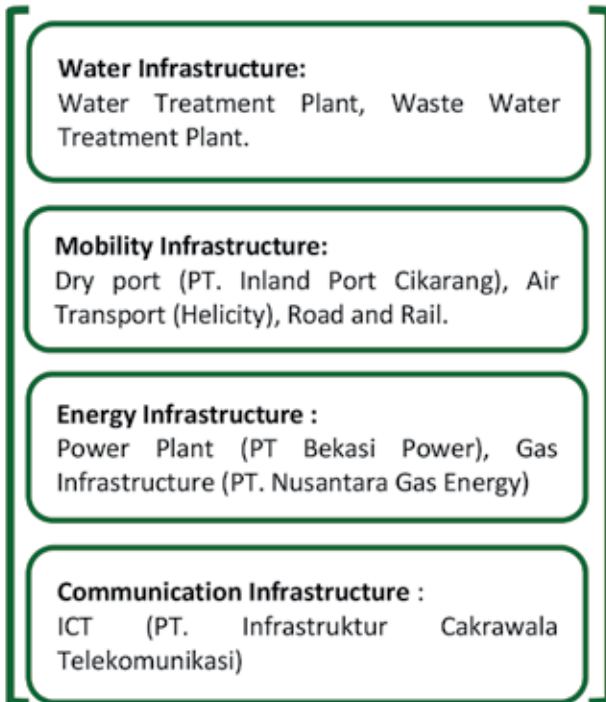
PT. Jababeka Infrastruktur is a wholly owned subsidiary of PT. Jababeka Tbk and growing rapidly. PT Jababeka Infrastruktur is a world-class industrial park management company that provides clean water, waste water solutions, power supply and logistics facilities to its tenants. Furthermore, with skilled and experienced human resources Jababeka Infrastruktur is able to meet the needs of the city's infrastructure stakeholders and shareholders.

Paradigms, approaches, and competition between companies in-the present era demands speed, an open mind, great energy and endless creativity. Today's best practices will soon be obsolete, to be replaced by new theory, new approaches and new paradigms. These

challenges are answered by **Mr.Tjahjadi Rahardja as President Director of PT. Jababeka Infrastruktur** through various innovations in the infrastructure sector, which is the core business of PT. Jababeka Infrastruktur.



PT JababekaInfrastruktur



Currently, the infrastructure services provided by PT Jababeka Infrastruktur include *Water Infrastructure*, *Energy Infrastructure*, *Mobility Infrastructure*, and *Communication Infrastructure*. PT Jababeka Infrastruktur has several subsidiaries: PT. Inland Port Cikarang, PT. Bekasi Power, PT. Nusantara Gas Energy, PT. Infrastruktur Cakrawala Telekomunikasi.

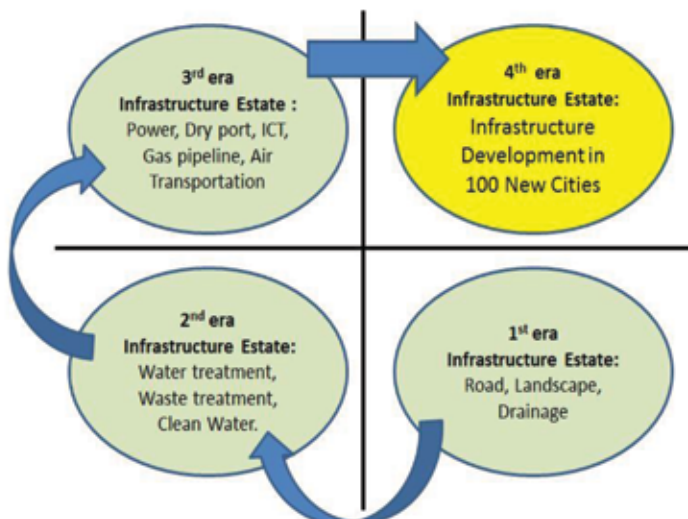
Innovation is key for PT. Jababeka Infrastruktur in making a *Quantum Leap* and taking on the various challenges. Innovation in the infrastructure sector positions PT. Jababeka Infrastruktur in the 3rd Quadrant. In line with the holding company's vision: Creating 100 New Cities – to achieve 4th Quadrant: Infrastructure Development in 100 new cities, PT. Jababeka Infrastruktur needs to continue to innovate in the infrastructure sector of the city, and continue to create new breakthroughs in the infrastructure sector that ultimately benefit holding company PT. Jababeka Tbk and the other stakeholders.

Indonesia government synergy with Jababeka

PT Jababeka is a pioneer among the competitors in the region while maintaining its orientation to the future Jababeka has the support from both the central and regional Indonesian government(s). The synergy between the government and the private sector in the Greater Cikarang and Banten province areas has resulted in various infrastructure projects, such as:

- Jababeka industrial estate toll road access: Jakarta - Cikarang KM 31.4, KM 34.7 and KM 29.2 (Cikarang Dry Port access)
- Cikarang Dry Port access: development of toll road access at KM 29.2 and a flyover access road at Pasir Gombang.
- Cikarang Rail Transportation: Development of a double-double rail track from Manggarai to and from Cikarang, and the development of the Cikarang Station.
- Serang - Panimbang toll road to help simplify and improve accessibility and to accelerate the development of Tanjung Lesung.

JABABEKA INFRASTRUKTUR QUADRANT QUANTUM LEAP



Third party cooperation

Jababeka Infrastructure would like to welcome foreign and local potential strategic partners to discuss possible collaboration in various infrastructure sectors, including but not limited to clean water, waste water, natural gas, power supply, logistics, and/or ICT and telecommunication.



PT. WASKITA BETON PRECAST



“Menjadi perusahaan manufaktur precast dan ready mix terdepan di Indonesia”

VISION

Being The Leading Precast and Readymix Manufacturing Company In Indonesia

MISSION

- Continuously Creating Products , Meet The Requirements Set By The Customer As Well As Innovation In Product Development And Gain Recognition From Customers
- Establish a Competent and Competitive Human Resources in Precast And Readymix Industry
- Establish a Mutually Beneficial Relationship With The Parties That Contribute to The Advancement of Companies
- Using Information Technology to Achieve Competitiveness in the Precast and Ready Mix Industry

CORPORATE CULTURE

IPTX : Integrity | Profesionalism | Teamwork | Excellence

MOTTO

Good Quality Products and On Time Delivery

PT. WASKITA BETON PRECAST

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88 AVENUE SOHO, APARTMENT & OFFICE, SURABAYA



SPUN PILE PRECAST



PLTU 2X60 MW, MERAK - BANTEN



CINERE - JAGORAWI TOLL ROAD, JAKARTA



MERAH PUTIH BRIDGE, AMBON

ONWARD THROUGH HIGH QUALITY PERFORMANCE



Bridging **Indonesia** to The World



Toll Road
Gempol-Pandaan



Tayan
Bridge



Toll Road
Surabaya-Mojokerto



East West
Motorway
Algeria



Precast
Concrete Plant
Algeria

