



WORKING-GROUP ↵
RAIL-AND-ROAD-INFRASTRUCTURE ⌘



Meeting August 2nd, 2017

DRAFT AGENDA

- 1)Welcome
- 2)Opening of the meeting and roll call of the delegates and guests
- 3)Appointing of secretary responsible for minutes and resolutions
- 4)Final agenda

Development of EABC

by EABC President Rolf-Dieter Daniel



European Association for Business and Commerce



Report of RR Infra activities in 2017

- JAN: Development of a Seminar for the DOH about Civil Engineering, see 11)
- JAN: Meeting Deutsche Bank regarding Locomotive Leasing
- JAN: Meeting BOI Deputy Secretary General for promotion of Thai Rolling Stock Industry, see 7)
- JAN: Meeting Minister of Transport @German Embassy: GTRP Kick-off
- JAN: Meeting Minister of Commerce

Report of RR Infra activities in 2017

- FEB: Revision of EABC Position Paper – RR Infra Section
- FEB: Meeting Minister of Industry; TISI
- MAR: Meeting Deputy Minister of Transport; SRT
- MAY: Meeting EU-Delegation
- MAY: Meeting TISI, see 7)
- MAY: Asia Rail Summit
- MAY: Meeting NLA for EEC project
- MAY: Meeting Minister of Transport @German Embassy- Chair
SubWG Railway Operation

Report of RR Infra activities in 2017

- JUN: Meeting NSTDA SubWG Railway Operation
- JUN: Meeting SubWG Railway Industry & Tenders
- JUN: Meeting Minister of Transport (Development Plan and Strategy)
- JUN: Deputy Governor SRT K. Jaray (Rayong – BKK)
- JUL: Meeting NSTDA SubWG Railway Operation
- JUL: Meeting SubWG Railway Industry & Tenders
- JUL: Meeting Deputy Minister of Transport – Visit to Germany, see 7)
- JUL: Thai Canal Conference preparation, see 12)

Railway Systems - Strategy

(track, rolling stock, civil engineering)

regarding MoT, OTP, SRT, MRTA

- GTRP (German-Thai Railway Partnership)
- Thai Delegation visit – Deputy Minister of Transport
- Standards – correct order, TISI/CEN
- Templates for tenders incl. LCC, RAMS, Financing
- Legal problem LCC tender evaluation
- Rolling stock localisation – legal problem long-term contract

Press Clipping Service

<https://www.dropbox.com/sh/t8sgj22nqxje70h/AABQ9nThKR5Dxkg00-MS6M2ma?dl=0>

-  ITD won Db track HuaHin- Prachuap_Thansettakij_31 Jul 17.pdf
-  Bangkok Post article 08JUL2017 High-speed train project clears EIA.pdf
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-  Bangkok Post article 02JUL2017 Let's hear Beijing's take on Thai-Sino rail.pdf
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-  The Nation article 27JUN2017 Bt170-bn loan on track for high-speed rail link.pdf
-  Bangkok Post article 28JUN2017 Orange Line starts pile-driving July 10.pdf
-  LinkedIn article 28JUN2017 Contracts Signed for Bangkok's Pink and Yellow Monorail Lines.pdf
-  Bangkok Post article 29JUN2017 PPP fast-tracks motorways.pdf

Directory of European Products and Services offered in Thailand

We would like to create a directory of products and services available in Thailand in the field of Rail & Road Infrastructure.

It shall be accessible via the EABC website.

We would like to know whether the members are interested to support this.

And provide information on their own achievements as well as about third parties.

In this action we would like to involve all European bilateral chambers of commerce.

Position Paper 2017

Rail Infrastructure Main Focus 1

Central Railway Authority

Up to now any railway institution is specifying standards and approvals by itself. Sometimes this is done without sufficient expertise. This affects the quality and interchangeability. Corruption may be favored.

The Minister of Transport realized the proposal of EABC to set up a Central Railway Authority following European Nations role model.

This is adopting a new department in the Ministry of Transport, which shall perform the central function. Details are not yet known. EABC offers to bring the staff of the Ministry in contact with European comparable authorities to support the realization of the intention.

Position Paper 2017

Rail Infrastructure Main Focus 2

Life Cycle Management with RAMS Standard

Up to now tender specifications consider purchase cost but not Life Cycle Costs. EABC offers help to implement the International Standard of RAMS:

Reliability, Availability, Maintainability, Safety.

The method is perfect for the evaluation of different offers. It includes the preventive maintenance that so far is unfortunately neglected. It enables an objective risk analysis and assessment. To enforce the financing model of PPP, preferred by the government, RAMS is indispensable!

EABC organised a seminar on this topic in January 2016 at Chulalongkorn University with European experts.

EABC can provide specialists for the introduction of the system.

Possibilities for funding by European Union to implement RAMS in tender specs will be checked in 2017.

Position Paper 2017

Rail Infrastructure Main Focus 3

Unification and Interoperability

Different solutions and systems for the same purpose are very costly.

Example: Different signalling systems for rolling stock, different operational CNC system for maintenance machines.

Staff problem - not exchangeable, high training cost.

Spare part problem - inefficient warehousing.

ASEAN institutional decisions needed for Cross border problem - no continuity with neighboring states railway system yet.

Thailand can get leadership in ASEAN.

Position Paper 2017

Rail Infrastructure Main Focus 4

Supervision of Planning and Tender Specifications

The EABC analysis has shown that the technical level of tenders is severely outdated. That there was little activity on the railway sector for a long time, so the consultants invested not much in international education. And lack of liberalization in the service sector prevents the know-how transfer from abroad.

A solution that has proven successful in other countries such is the accompanying control of tendering by an international body. This committee may only consist of professionals with proven experience in tendering design of similar projects in other countries.

In addition, they may not engage in any business activities Thailand.

The current efforts to secure the quality of the investment goods to be procured are concentrated in two areas:

First, to describe the properties of the products by much detail as possible. This is, however, incredibly difficult as it requires a most detailed knowledge of the international state of the art. Here a performance-oriented tender would be much more helpful.

Secondly, reference letters from international customers are required. Unfortunately, this does not say anything about quality and longevity of the investment goods. The references are not evaluated. Therefore, a reference of a world leading railway user has the same value as the reference of a developing country with little developed knowledge of railways.

Position Paper 2017

Rail Infrastructure Main Focus 5

Financing Rolling Stock

The European industry is the world leader in the production of rolling stock for railways

The technical progress allows the highest quality and an extremely long service life of the products with the lowest lifecycle costs!

The manufacturers can offer to the Thai railway operators favorable financing possibilities through leasing for periods of up to 15 years.

Lease financing allows existing budgets to be used for investment in construction and maintenance. Such also large projects to be realized quickly. After the end of the leases the vehicles can be taken over at favorable terms.

EABC can provide specialists for the correct preparation of leasing conditions.

Position Paper 2017

Rail Infrastructure Main Focus 6

Set Up Thai Industry for Rolling Stock and Railway Systems

THE EABC believes Thailand has excellent conditions given for assembling and production of rolling stock and railway systems.

Discussions with leading European manufacturers have shown that a local production presupposes an adapted procurement policy.

Instead of repeatedly buying a small number of material, master agreement long-term contracts on larger quantities shall be concluded.

So, Thailand can build his own railroad industry - like it succeeded great in the automotive industry. This could not only help in meeting the Thai railway requirements, but also allow exports mainly to other ASEAN countries.

Such industry, with support of the European Industry, will also be able to refurbish old and outworn rolling stock in order to save a lot for the railway operators.

Position Paper 2017

Rail Infrastructure Main Focus 7

Liberalization

The EABC is sure, liberalization would have very high positive impact on the Thai economy in short and long term. Many problems that are currently visible in the implementation of railway investments could be tackled by international experts.

This is limited by the visa and work permit requirements and by legal restrictions that forbid certain professions for strangers.

Looking to any other nation, liberalization always was a success for growth and prosperity!

EABC suggests a statutory exemption for European railway experts.

Position Paper 2017

Rail Infrastructure Main Focus 8

Civil Engineering

In civil engineering, there is also considerable room for improvement. Design recommendations from experienced experts are required, as sometimes totally obsolete standards are stipulated. The long-term quality of structures is low. The lack of systematic inspection, evaluation and maintenance, results in a cost trap for future generations. This could be avoided by co-operating with experienced international experts, free from any conflict of interests. Railway viaducts, for example, designed in accordance with the Eurocodes, have a longer life span and considerably lower construction costs than the viaducts built in Thailand based on American standards.

Position Paper 2017

Rail Infrastructure Main Focus 9

Education

From European point of view in terms of railway experts the Thai universities have a potential to develop the level of science and, moreover, the number of students in this field seems to be much too low for the explosion in demand. Today salaries for good professionals rise so high that they can no longer be brought into conformity with the rigid tariffs of state business organizations.

EABC has already begun with the help of support programs of the European Union to initiate specialized courses for railway technicians at Thai institutions.

EABC supports the academic exchange of knowledge.

Road Seminar Civil Engineering



EABC Seminar: LECTURES FOR CIVIL ENGINEERING

- Bridge Inspection by Smart Sensor Technology
- Fiber Reinforced Polymer Bridge Strengthening
- Bridge Strengthening with External Post-Tensioning
- Bridge Bearings - State-Of-The-Art.

Speaker: Mr. Michael LÜTHI, Senior Principal Engineer VSL Thailand

Speaker: Mr. Philippe Doriot - Head of Key Projects Department, Sika (Thailand) Ltd.

Speaker: Mr. Georg Wolff, EABC – Chairman Working Group Rail & Road Infrastructure

INTERNATIONAL CONFERENCE ON TECHNOLOGY FOR SUSTAINABLE PATHS TO THAILAND'S FUTURE

THAI CANAL: Comprehensive Study of New Logistics Systems for the Asia-Pacific Region

September 11, 2017, Grand Hyatt Erawan Bangkok Hotel

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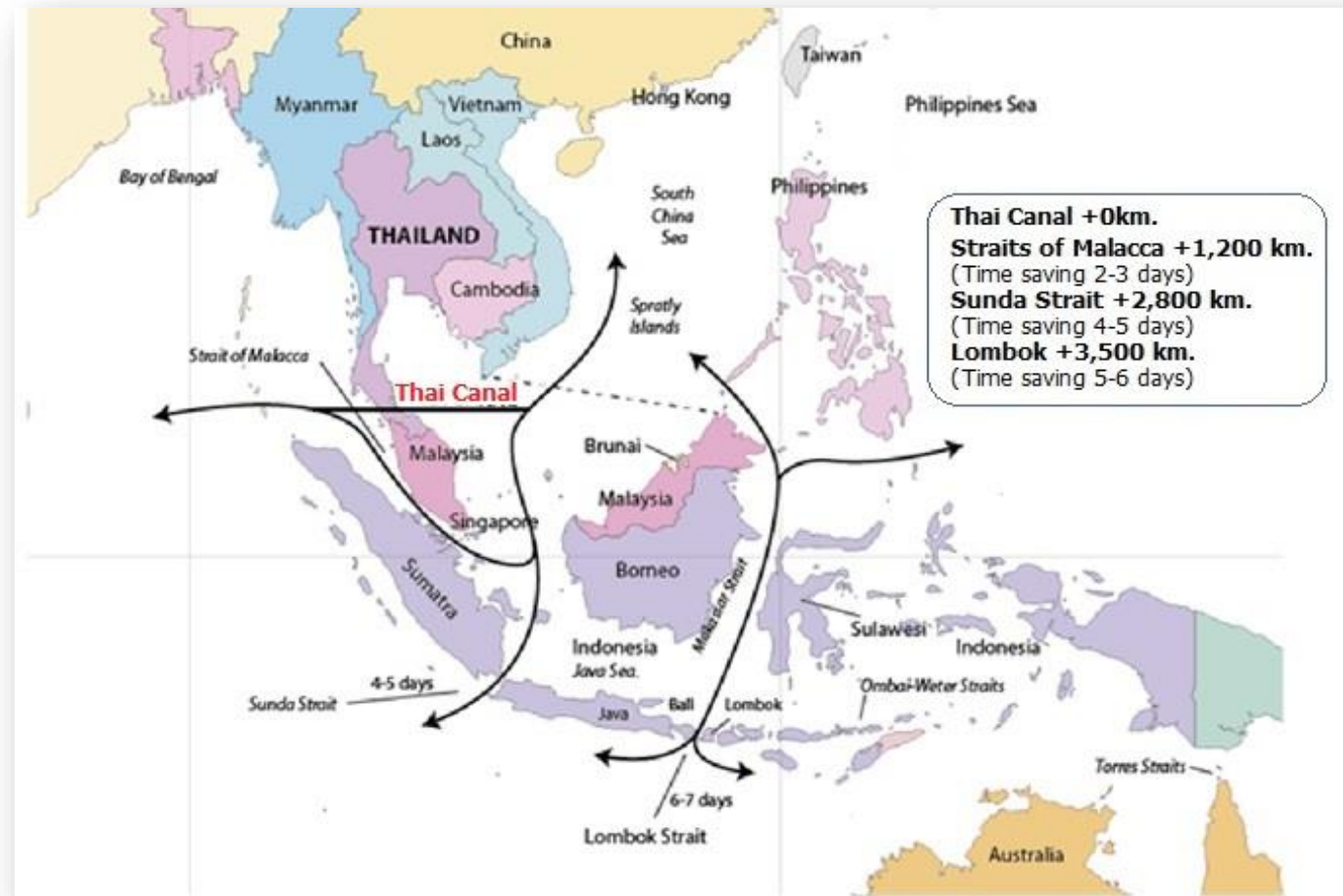
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The Thai Canal, also known as The Kra Canal, is a mega project that has been a key subject of discussion for decades in Thailand. It is believed the canal can serve as a vehicle to create economic prosperity for the future.

The immense investment in the Thai Canal is not only great affecting the Thai economy in a positive way, but it is also

reverberating through the rest of the world. Thai Canal has more to offer to businesses than just a canal. It is also home to two world-class logistic and business hubs at the either end of the path between two oceans. The effects within Thailand and the whole Asia continent, especially Southeast Asia, will be exponential impacting everything from ports and terminal development to shipping, transport (rail, road, sub-waterways) and warehousing in the areas.



King Mongkut's Institute of Technology Ladkrabang and Thai Canal Association for Study and Development are pleased to announce the International conference on TECHNOLOGY FOR SUSTAINABLE PATHS TO THAILAND'S FUTURE; THAI CANAL: Comprehensive Study of New Logistics Systems for the Asia-Pacific Region. The conference will include panels and presentations on major considerations for Thai Canal project from key industry specialists who are from private, public and government sectors. Besides, the conference will provide highly valuable networking opportunities where the C-level, senior management, professionals, operators, contractors, consultants and investors can learn about what projects can possibly be put in the pipeline and capitalize on the business opportunities being created.

RAIL Asia and RISE Symposium 2018

RAIL Asia + RISE 2018 will be hosted by SRT under the Office of the Prime Minister, the Ministry of Transport, the Ministry of Industry and the Ministry of Science & Technology. AES will organize the exhibition and the NSTDA will organize the conference with the TREA being involved on both sides of the event.



Any other business

Next meetings / activities

