



All-in-one service for  
your project solutions

There are many parts to a project...



CEA ensure all the parts of your  
project link seamlessly & in harmony  
from start to finish. **Find out why...**

# Welcome



CEA is a company well established in Asia, founded on years of experience in heavy lift, project logistics, sea and road transportation, cargo consolidation and AQIS quarantine prior to export.

## Our Mission



CEA is dedicated to providing a high level of service that ensures absolute satisfaction.

Our whole operation is managed by dedicated individuals. They are seasoned professionals who apply their knowledge and experience to every task.

Adding value to our client's business through high quality and an innovative service, we also investigate and identify opportunities to improve processes and reduce costs.

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## Overview Services

An opening was seen in the market for a service provider with the skills and experience to provide an all-in-one service offering professionalism, experience and knowledge over all aspects of the on-shore and off-shore construction industry.

- **Project Logistics**
  - Road transportation
  - Sea transportation
  - Specialists in time critical delivery
- **Cargo Consolidation**
  - Lay-down and storage of cargo
  - Documentation inventory lay down and load out ITP'S
  - In-house cargo handling equipment
- **AQIS Quarantine**
  - Accredited persons for AQIS (Australian Quarantine Inspection Service)
  - AQIS compliant storage and laydown facilities prior to export
- **Heavy Lift**
  - Heavy lift and general cranes supply
  - Heavy lift projects, engineering and planning
  - Consultancy
- **Engineering**
  - Lift plans / Rigging studies
  - Lifting beam Design and Supply
  - Critical lift planning and engineering safety
  - Stow plans / Lashing plans

A Thai 8,000 DWT vessel with 30 tonne crane ready to receive cargo



Consolidation facility in Laem Chabang port for the storage and AQIS preparation of Core-Loc's



Off loading 120 tonne boiler, tandem lift using LTM1450 and LTM1500 mobile cranes

### Project Logistics: Sea & Road Transportation

Project Cargo Services, a division of CEA provide specialized cargo transportation services to shippers of heavy and over dimensional equipment and integrated project logistics management for engineering, procurement and construction companies servicing energy, mining, chemical, petrochemical, pipeline, infrastructure and other sectors.

Strategically placed project cargo specialists within an Asian network encompass the needed experience and capabilities for heavy lift, oversized break-bulk shipments or other logistical challenges that are encountered when dealing within the project execution arena.

The complex requirements that encompass project cargo execution requires 'out of the box' thinking in order to

create and implement effective solutions. Early projection of transportation costs by tailoring a customized transportation plan is one of the value adds of our Project Cargo team. On site planning meetings with the customer are crucial to ensuring proper routings and the safest, most efficient method of transport. These are key

### Strategic planning is essential

ingredients that prove to our customers again and again the value that the experienced members of CEA's Project Cargo group bring to the table each and every time.

CEA strive on our ability to provide a logistical service package for our customer's cargo by Land or Sea.

### Cargo Consolidation

CEA can manage your cargo, regardless of size and weight, our facilities can meet your tailored requirements. With over 120,000 square metres of lay-down storage space and warehouse space located within Laem Chabang, this is the ideal location to accommodate and manage cargo import and export.

Our experienced staff will provide full and concise cargo inventory documentation and meet your needs for load out ITP's to ensure your cargo is handled according to your specific requirements.

We maintain a fleet of mobile cranes, container stackers, fork lifts, haulage trucks and specialist transportation plus gantry cranes for yard and warehouse storage to hand. This is all part of our full service.

### Project cargo execution needs 'out-of-the-box' thinking



Container handling and storage



Loading of accomodation module for the Gorgon Project



Loading vessel of Core-Loc's bound for Sino Iron Project



Transporting cryo-genic column for gas separation plant

## Case Study One

### Core-Loc's & AQIS Compliance

Client: Citic Pacific Mining

Location: Cape Preston, Australia

Duration: March 2009 to June 2010

Supply Coreloc's to Citic Pacific Mining for the breakwater at Cape Preston Western Australia.

The project consisted of:

- Shop Fabrication Detailed Drawings
- Mould Fabrication (475t of fabricated moulds)
- Setup Casting Facility (including 2 batch plants with an output of 1000m<sup>3</sup> per day)
- Casting of 10,615 Coreloc's (sizes range from 3.9m<sup>3</sup>, 6.2m<sup>3</sup>, 8.5m<sup>3</sup> and 11m<sup>3</sup>)
- Transport to Storage Facility at Laem Chabang Sea Port—Thailand
- AQIS compliant (cleaning of each Coreloc prior to ship loadout)
- Sea Freight, which included 29 individual shipments—Thailand to Australia

The Coreloc's consisted of 68,000 cubic metres of pre-cast concrete, which totaled to 163,200t.



Loading of 385 units of 20t Core-Loc's



Modules loaded and lashed prior to sail away

#### AQIS Quarantine

The Australian Quarantine and Inspection Service (AQIS) is a government agency responsible for enforcing quarantine laws. AQIS forms part of the Australian Government Department of Agriculture, Fisheries and Forestry.

AQIS manages quarantine controls at our borders to minimise the risk of exotic pests and diseases entering the country. AQIS also provides import and export inspection and certification to help retain Australia's highly favourable animal, plant and human health status and wide access to overseas export markets.

CEA have vast experience working and managing general cargo and project cargo for export to Australia. Our management and staff are accredited by the Australian Quarantine and Inspection Service (AQIS) for Quarantine Awareness and Approved Premises.

CEA does not work for or represent the Australian Government, nor are we or any other company able to approve cargo going into Australia for AQIS quarantine requirements.

CEA does have experience with the AQIS requirements set by the Australian Government for the import of cargo. CEA will provide a range of services to ensure that your cargo is fully compliant with the AQIS standards and requirements of Australia.

#### Storage & Handling

Our storage and handling facility is located at Laem Chabang and is within 5km of 3 major sea ports. Laem Chabang Port, Siam Deep Sea Port and Sriracha Harbour. We have container handling and storage facilities, laydown areas for large and oversize cargo, and warehouse storage facilities. Our team provide a complete service for either import or export, by providing customs clearance, shipping, transportation and storage and erection.

CEA manufacture and install the plastic protection wrapping for modular buildings and any other cargo which requires protection from Land or Sea-freight.

#### Full turn-key service provided

Due to the strict requirements for AQIS quarantine compliance CEA produce a complete wrap of the module which includes underside protection, zipper access doors and zipper openings at the lifting points.

This delivers high durability due to the 400 micron thickness of the plastic, and the transparency of the plastic enables good visibility for AQIS inspection without having to actually enter the module.

CEA also manufacture tarpaulins and other protection covers for cargo, containers and transport.

## Case Study Two

### AQIS Quarantine & Storage

Client: Thiess Decmil Kentz Joint Venture

Location: Thailand & Barrow Island (WA)

Duration: December 2009 to April 2011

Quarantine storage & transportation of 2000 plus accommodation modules to Barrow Island, Western Australia.

The project consisted of:

- Wrapping of Modules at Fabrication facility to ensure the modules are waterproof / sea transport protection.
- Transport to Storage Facility at Sriracha – Local to Sea Port Thailand
- AQIS compliance (Storage and Cleaning of each accommodation module prior to ship load out)
- Fumigation of each accommodation module prior to load out.
- Transportation from Storage Yard to Seaport and load out to Vessel.
- 3rd Party AQIS inspection

280,000 cubic metres lifted and shipped from Thailand to Western Australia



Trucks arrive alongside the vessel ready for discharge



Core-Loc's loaded and AQIS prepared



Stowage of Core-Locs on vessel tank top



Loading of containers using 45t reach stacker



Lifting and loading of 20t module onto the vessel



AQIS quarantine and consolidation facility

CC2800 with 150 tonne of super lift complete with 250 tonne tailing crane



Top-deck 240 tonne installed using Demag CC2600 complete with super lift



### Heavy Lift

CEA provide innovative solutions for heavy lift, heavy haulage and other client needs. When executing a large project, good planning and preparation is not an option but an absolute must for all of our projects.

## Good planning is essential for a smooth operation

Simulation drawings are prepared in 3D using industry standard AutoCad. Numerous calculations will prove a safe operation to ensure every thing is full operational and working with in its safe working limits of all the equipment being used hourly planning will be prepared

### Engineering

The engineering part of the project will often include...

- Lifting and transport simulations
- Detailed operational schedules
- Ground bearing pressure calculations
- Lifting and spreader design
- Correct slings & shackles
- Job safety and risk analysis

Where CEA with all the per planning brought the heavy lift program forward which in turn help the project come in on time and ensures a smooth operation and correct placement of the vessels in a very safe and timely manner and bringing this project in on budget.

### Fleet

The complete fleet of cranes starts from 120 tonne crawler crane right up to 1,800 tonne capacity. All the cranes are new models with many of them being year 2007. All our heavy lift cranes come with full option which is very convenient as the crane can be made up in to all configurations, ideal for different project needs.

Through our extensive network we can also offer mobile cranes from 25 tonne to 550 tonne capacity, again the larger cranes are full option.

The heavy lift crange service is often combined with supply of lifting equipment, engineering services, job planning, supervision, and on-site project management.

We also offer a heavy transport service where we can collect the equipment from the ship at the port and deliver to the site.

Our complete package service ensures an exceptionally high quality service is guaranteed while client's costs are easily controlled giving this type of all round service makes for a project completed on time, on budget and more importantly, safely.

We also offer a simple agreement on crane rental where only our staff operate the crane as they are trained and insured and offers complete peace of mind.



Two 148t column lifted safely into position



14 x 100t tanks installed using CC2400 in 6 days



LR11350 & LR1750 tandem lift 800t pressure vessel.



30m x 16m diameter silo using CC2800 with super lift



At CEA we are committed to a 'Full Compliance Culture' where health, safety and environmental matters are a high priority in all of our activities, using our comprehensive Safety, Health, Environmental and Quality (SHE-Q) Management System

We recognize that SHE-Q is a fundamental and integral part of everyday business and this is continually communicated to all employees through internal training programs and the many available media outlets within the CEA lines of communication

We believe that our internal and external training programs are the key to providing the continuous improvement we seek and strive for, in our effort to achieve ZERO accidents or incidents. Our SHE-Q system equips our employees with all the necessary tools to build, review, revise and document 'Safe Systems of Work' for all our work activities.

Hazard Analysis, Risk Assessment, Method Statements, Calculation, Lifting Studies, Rigging Studies, Transporting Studies, Jacking and Skidding Studies, Tackle Diagrams are all a part of daily life, written and executed to the best industry standards by trained, skilled and competent persons



## Employees are our most valuable asset

All employees are required to complete initial induction training through our SHE-Q system e-learning portal whereby upon successful completion they are awarded a comprehensive Corporate Safety Guide outlining Safety Policy and Procedure. The guide also contains miniature certification copies of the competencies of each individual holder.

We require that all employees, contractors, sub-contractors, visitors and any others who may be affected by our operations share this commitment by complying with our policies and, where appropriate, our procedures, and to understand that they too have legal and moral obligations to themselves and to one another.

Ensuring their safety goes beyond the implementation and compliance of regulations, policies, procedures and safety audits and our commitment to safety does not end with our employees. It also includes the safety of all others who may be directly or indirectly involved within any of our operations.

We commit to introduce new and improved safety systems across our many operational activities to reflect our clients' demanding requirements. With continuous improvement as a core value, we use our SHE-Q process as a management system for conducting our business with care and professionalism throughout the world.

We regularly review all stages of our operations keeping in line with, and going beyond, modern day requirements. This is not only the right thing to do, it is good business, and furthermore, we believe that our ability to meet this need is a significant competitive advantage in a changing world.

While quality, productivity and cost are core business values, our top priority is safety, health and environmental issues where we take great pride in our long history of continuous improvement, and we will not compromise on these matters.

Through our training, continuous development and involvement of our employees, and the commitment of our management that we will ensure the well-being of everyone at and associated with CEA.



Ben Fortt racing in the National Thai Open Competition race day



## Sponsorship

CEA sponsor a wide range of sporting activities including competition and charity golf events, motor racing.

Ben Fortt in a young but up and coming motorbike rider, who competed in National Thai Open Championships in the 400cc Super Motard events. Ben is planning to move up to Superbikes within the next 12 months.

CEA are the main sponsor for Ben, who has ambitions to move further into the sport, and with our support, we hope to get him to the top.

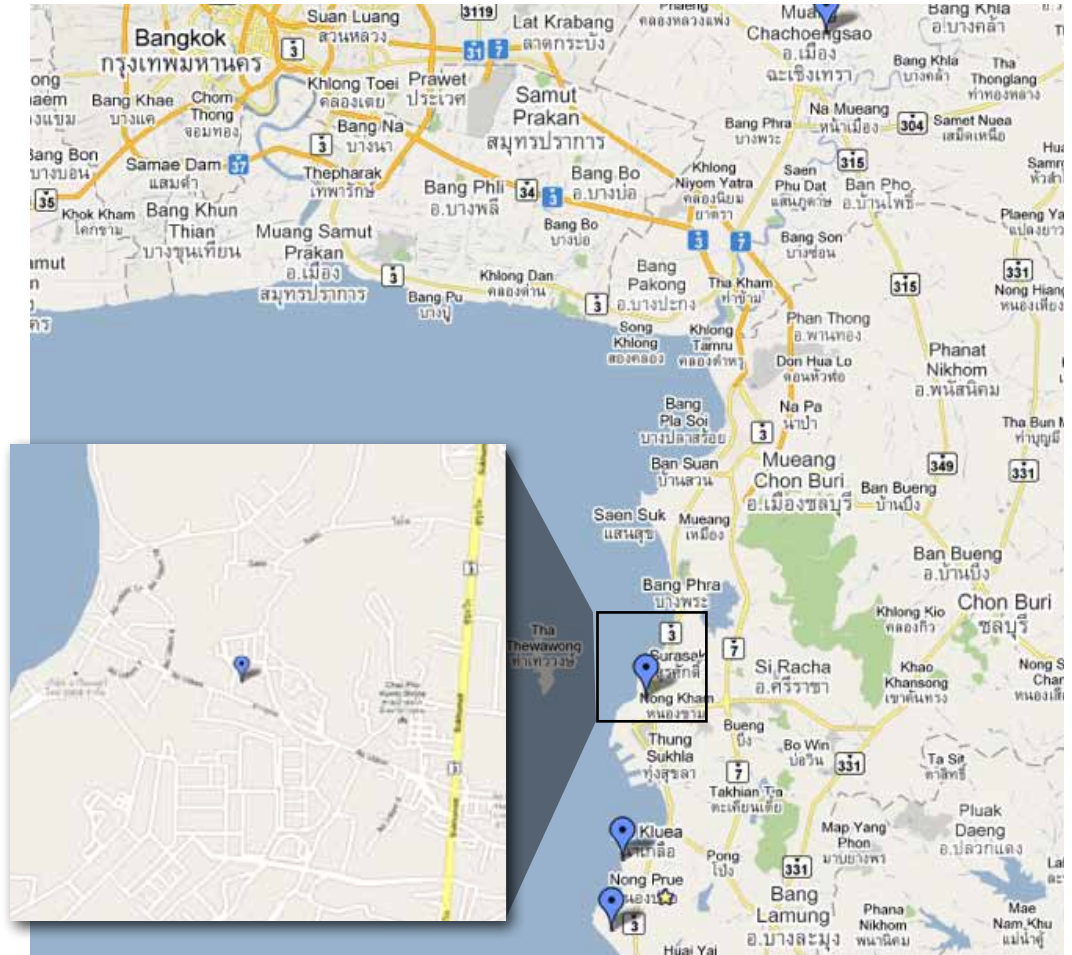
Thomas Raldorf races in the A – Class Thailand Super Car Championships, and Thailand's ProRacing Series. CEA is a sponsor for the Pizza Hut Racing Team.



Thomas Raldorf in his Subaru Impreza

# Location

Our office, storage and warehouse location is ideally located in Thailand's Eastern Seaboard between Laem Chabang Port, Siam Seaport and Sri Racha Harbour.



# Contact Us

Contact us to arrange a CEA consultation to discuss your project needs

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