Construction and Infrastructure
Project –
Made in Germany

February 19, 2019  |  Kevin Chui
thyssenkrupp Philippines
thyssenkrupp from a German perspective:

One of the leading steel producers.
thyssenkrupp from a North American perspective:

One of the leading Elevator/Escalator manufacturers.
thyssenkrupp from a Japanese perspective:

One of the leading manufacturers of slew bearings for wind turbines
thyssenkrupp from a Philippine perspective:

One of major infrastructure equipment manufacturers
thyssenkrupp: WE are a diversified industrial Solutions Company
Selected portfolio examples

- Steel
- Escalators
- Elevators
- Automotive
- Mining
- Cement Plants
- Sugar Plants
- Submarines
Diversified Industrial Company: Our Business Areas

Components Technology
- Steering
- Damper
- Springs & Stabilizers
- Automotive Systems
- Camshafts
- Forged & Machined Components
- Presta Camshafts
- Bearings
- Undercarriages

Elevator Technology
- Escalators
- Elevators
- Moving walks
- PBBs
- Accessibility

Industrial Solutions
- Process Technologies
- Resource Technologies
- System Engineering
- Marine Systems

Materials Services
- Metals Services
- Special Materials
- Special Services

Steel Americas
- CSA
- thyssenkrupp Steel USA

Steel Europe
- thyssenkrupp Steel Europe Processing
thyssenkrupp in the Philippines
110+ years of successful partnership in Philippines

1903
First deliveries of components for railways, structural shapes and merchant bar, as well as small trucks and engine

1930 - 40
Company build ship for the Philippines including the "Don Esteban" and "Don Isidro", both leading vessels of their time

1995
Open of regional office in Manila

1998
Uhde built the Petron Plan in Bataan, the first polypropylene plant in Philippines

thyssenkrupp supplies coal handling equipment, including two chain bucket elevator continuous ship unloaders, and bucket wheel stacker-reclaimers for the Sual Power Plant

2001 - 2002
thyssenkrupp refurbished and installed more than 30 Passenger Boarding Bridges at NAIA International Airport

2015 - 2017
thyssenkrupp supplies 3 x 55 MW CFBC boilers to Balingasag Minery Power Corp

Aerospace secured 10 year material supply to Moog Philippines to produce actuators for aircraft, signed in July 2017

TODAY
thyssenkrupp IS, ET and MX continue to see strong growth in the country.
thyssenkrupp operates a branch office in Manila

Over 110
Years
Our footprint in Philippines: Major Philippine Players

Selected examples of our installed base in Philippines

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<td>Republic APO</td>
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<th>Cement Crusher</th>
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<th>Polypropylene Plant</th>
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<td>Bataan</td>
<td>Don Esteban, Don Isidro</td>
<td>CEPALCO Mindanao</td>
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Passenger Boarding Bridges (PBB)

- Tailor-made for individual clients
- Variety of solutions available to serve most aircraft types (from Airbus A380 to propeller and regional aircrafts)
- Reduced boarding times
- Optimized safety and comfort
- Galvanized steel components & metallization for the best protection possible against corrosion

References

Airport Solutions

Philippine References:

- Cebu: (1) Telescopic – Year installed 1998
- Laguindingan: (2) Telescopic Crystal – Year installed 2011
- Manila: (14) Noseloader - Year installed 2001-2002
(20) Telescopic – Year installed 2001-2002
Cement Plants & Equipment

- thyssenkrupp is one of the few full-range suppliers for the cement industry – from individual machines, all the way up to complete plants
- We develop innovative machinery, technologies and processes to create intelligent production lines
- Most active division in the Philippines due to government’s Build, Build, Build program

Philippine References:

- Apo Cement – 5500 tpd EPC turnkey
- CRH Aboitiz Republic Teresa Cement Plants- 3600tpd EP
- Eagle Cement – crushing equipment
- Lafarge Holcim Bulacan, Davao, Lugait and La Union Plant – various core equipment
- San Miguel Northern Cement – material handling equipment
Power Plant, Continuous Ship Unloaders & Coal Handling System

- Highly efficient cold cyclone CFBC boiler technology from Germany
- Heavy duty continuous handling systems for coal, limestone, and various bulk materials
- Medium-to-large capacity range
- Effective and dust-free unloading

Philippine References:

- CEPALCO : 3 x 220 TPH (55 MW) CFBC Power Plant
- TEAM ENERGY : 2 x 1400 TPH Continuous Bucket Ship Unloader
  2 x 1400 TPH Bucket Type Stacker/Reclaimer
  Coal Yard Systems
thyssenkrupp