

Construction and Infrastructure Project – Made in Germany

February 19, 2019 | Kevin Chui
thyssenkrupp Philippines



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thyssenkrupp

① thyssenkrupp

thyssenkrupp from a German perspective:

One of the leading steel producers



thyssenkrupp from a North American perspective:



One of the leading Elevator/Escalator manufacturers



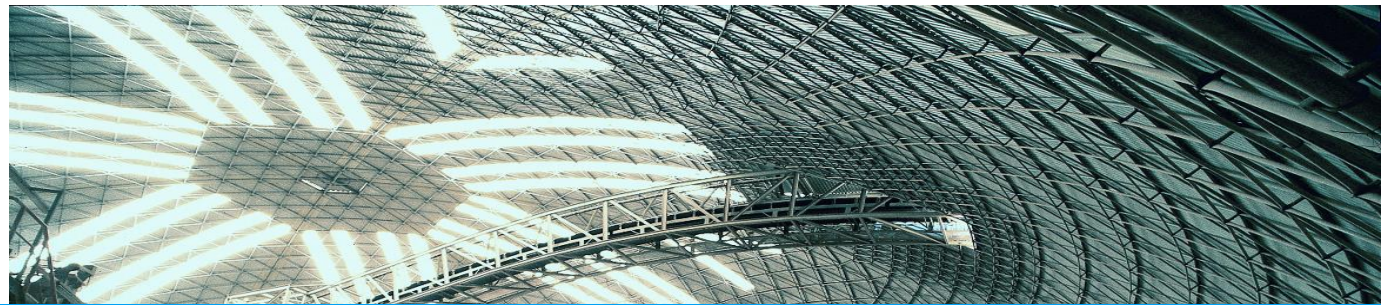
A high-angle, close-up shot of a worker inside a massive industrial machine, likely a wind turbine bearing assembly. The worker, wearing a dark blue long-sleeved shirt and dark trousers, stands in the center of a large circular opening, looking upwards. The machine's interior is lined with numerous dark, circular components, possibly rollers or bearings, arranged in concentric rings. A bright light source, possibly a welding torch or a powerful lamp, is visible in the upper right, casting a strong glow and creating a lens flare effect. The overall scene conveys a sense of scale and industrial precision.

thyssenkrupp from a Japanese perspective:

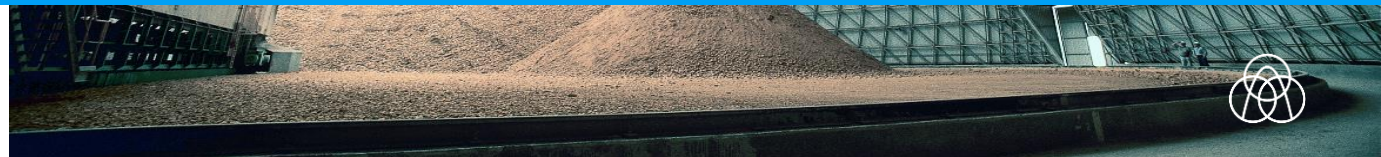
One of the leading manufacturers of slew bearings for wind turbines



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



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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



② thyssenkrupp in the Philippines

110+ years of successful partnership in Philippines



A LONG
HISTORY IN
PHILIPPINES



Over
110
Years

thyssenkrupp & Philippines

1930 - 40

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



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

2015 - 2017

thyssenkrupp supplies 3 x 55 MW CFBC boilers to Balingasag Minery Power Corp
thyssenkrupp Aerospace secured 10 year material supply to Moog Philippines to produce actuators for aircraft, signed in July 2017



1903

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



1995

Open of regional office in Manila



2001 - 2002

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

TODAY

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



Our footprint in Philippines: Major Philippine Players



Our Client: Major companies from various industries



MOOG



Selected examples of our installed base in Philippines

Ports
Sual Power Plant



Cement Plants
Republic, APO



NAIA
34 PBB



Cement Crusher
Eagle Cement



Railroad
Manila



Elevators
Insular Life



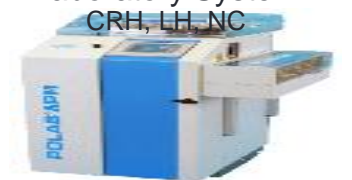
Sugar Mills
Centrifuges, RHi, CS, etc



Aerospace Steel
MOOG - Baguio



Laboratory System
CRH, LH, NC



Polypropylene Plant
Bataan



Ship Vessel
Don Esteban, Don Isidro



3 x 55MW CFBC PP
CEPALCO Mindanao





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



Philippine References:

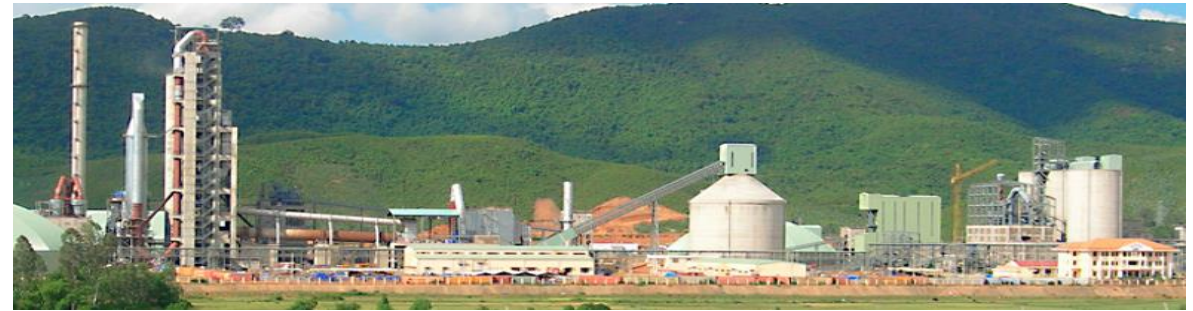
- Cebu : (1) Telescopic – Year installed 1998
- Laguindingan : (2) Telescopic Crystal – Year installed 2011
- Manila : (14) Noseloader - Year installed 2001-2002
(20) Telescopic – Year installed 2001-2002





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 Builb, 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





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