



CETEC Presentation of Bulk Material Handling System

DELIVER MORE EFFICIENCY

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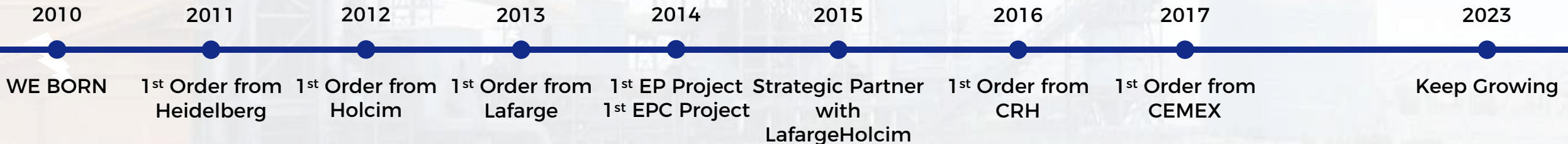
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Overview

Who we are

CETEC CO., LTD.

- An **Integrated Solution Provider**
- Focus on **Bulk Material Handling & Cement Industry**
- Dedicated to **overseas projects**
- ISO 9001 Quality Certified
- China High-tech Enterprise
- Business covers **5 Continents, 54 Countries**



Overview

Company Organization



Product

What we do best



Material Handling

- Belt Conveying Technology
- Pneumatic Transportation
- Crushing & Screening
- Cement Dispatching

Pyro-Process & Grinding

- Preheater
- Clinker Cooler
- Ball Mill / Roller Press
- Vertical Mill

ECO-Cycle

- MSW (Municipal Solid Waste)
- AFR (Alternative Fuel & RM)
- RDF (Refused Derived Fuel)
- Emission Reduction

Spare Parts

- Consumable
- OEM Product from China
- Fabrication Work
- Design Replacement

Plant Delivery

- Easy Grinding System™
- Cement Blending Station
- Cement Terminal
- Aggregate Plant

Product

What we do best

Material Handling

Pyro-Process & Grinding

ECO-Cycle

Spare Parts

Plant Delivery



- Belt Conveying Technology
(Ha Tinh Steel, Formosa)



- Coal Handling System
(Vostochny Port, Russia)



- Bulk Cement Smart Loading
(LafargeHolcim Uganda)

Product

Belt Conveyor



Underground/Tunnel Conveyor



Overland/Curved Conveyor



Pipe(Tublar) Conveyor



Product

Conveyor Components



Idler

- ◆ 50,000hr B10 Life Time
- ◆ ERW Steel& UHMW Roller
- ◆ Painted/Galvanized Frame
- ◆ CEMA/JIS/ISO/GB Standard



Pulley

- ◆ Heavy Duty Welded Pulley
- ◆ Rubber/Ceramic Lagging
- ◆ Static Balance
- ◆ -40°C Installation



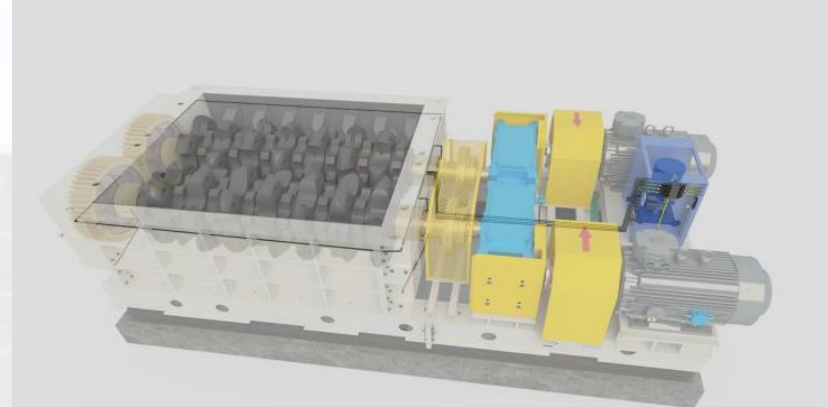
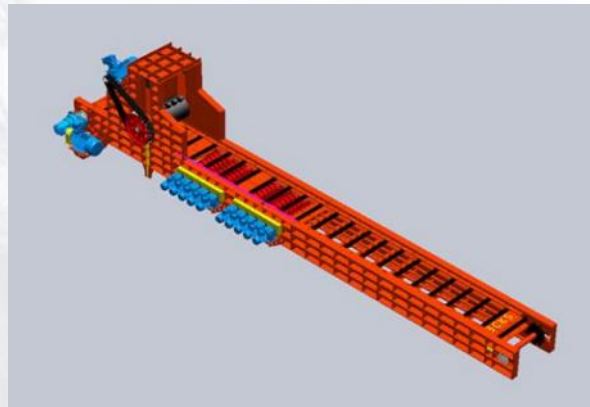
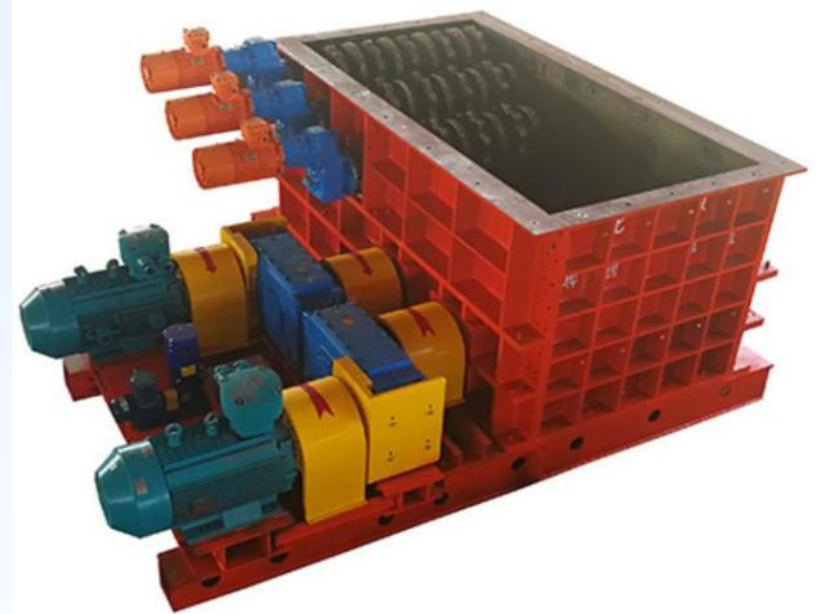
Steel Structure

- ◆ Technical Structure, Chute, Gallery and Transfer Tower
- ◆ AWS/ISO Welder Certificate
- ◆ Working with Korean, Japanese and Australia Quality Supervisor

Product

Crushing Solutions

CETEC



Product

Other Machines



Wagon Tippler



Stacker/Reclaimer



Radial Stacker



Train/Truck Loading Terminal



Ship Loader/Unloader

Product

Bulk Material Handling System



Since our company foundation in 2010, we have kept a good cooperation relationship with design institutes for power plant, coal industry, cement industry and transportation industry, enable us the capability for providing one-stop solution to Coal Handling Plants, Pneumatic Transportation, Stockpile System, Ship Unloading and Loading System, Wagon Tipper and crushing system etc. We are acting as both equipment supplier and system contractor to our clients all over the world.



Product

Why choose us

Expertise

Extensive Experience in Cement & Extended Industry

Reliable Service

Timely and Tailored Service

Internationalized

Familiar with International Project Rules

Mature Supply Chain

Long-term Strategic Partner

Cost Optimization

Overall System Design Capability

Localization

Available Supporting at Different Regions

Quality Control

Professional Team together with 3rd Party, i.e. SGS/BV





Business covers 5 continents and 50 countries

Achievements












Long-term Valuable Partner

CETEC has focused on expanding its services in the overseas market since 2010, and served the industry leaders such as LafargeHolcim for a long time. The company adheres to the spirit of **Quality First**, and has supported projects in the developing countries all over the world.

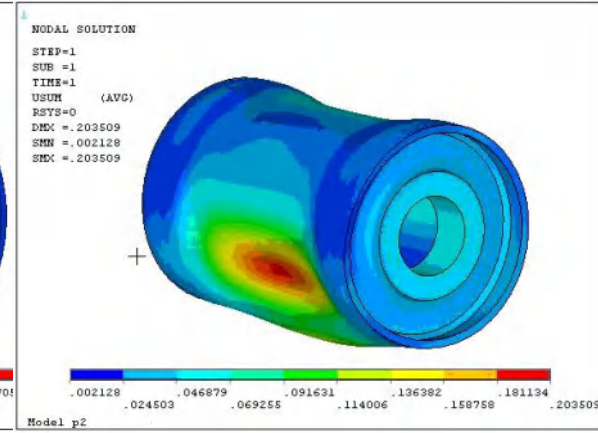
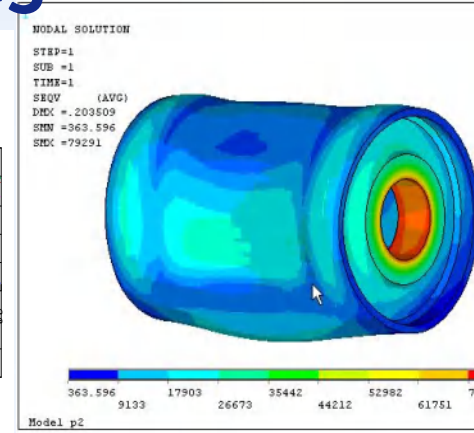
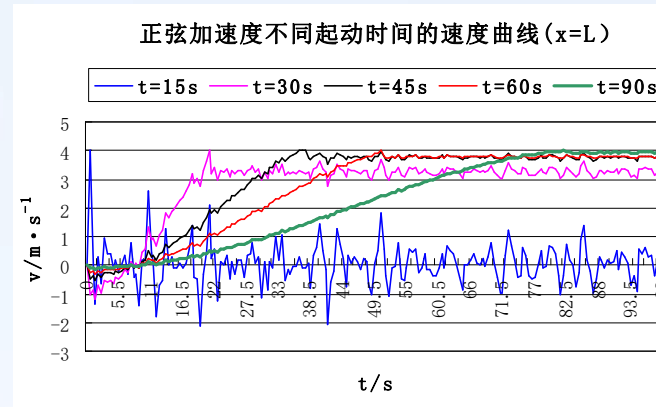


Achievements

Recent Projects

 Uganda	<ul style="list-style-type: none">LafargeHolcim - Smart Bulk Loading System 1#LafargeHolcim - Smart Bulk Loading System 2#	 Australia	<ul style="list-style-type: none">Simons&Simons Global Crushing Plant Belt Conveyors
 Vietnam	<ul style="list-style-type: none">Formosa Ha Tinh Steel Corporation-Belt Conveyor ComponentsPOSCO E&C- Belt Conveyor Mobile Tripper for Steel PlantSiam City Cement - Smart Bulk Loading SystemSiam City Cement - Hiep Phuoc Smart Bulk LoadingSiam City Cement - Hiep Phuoc Belt Conveyor UpgradeSiam City Cement - Raw Material Barge Loading System	 Angola	<ul style="list-style-type: none">KHD-Cemfort Cement Plant Belt Conveyors
 Zambia	<ul style="list-style-type: none">Handyman's mine- Belt Conveyor project	 Indonesia	<ul style="list-style-type: none">Indonesia Power SURALAYA Jetty Conveyors
 Bangladesh	<ul style="list-style-type: none">SKS - 110tph Cement Grinding SystemLafargeHolcim - Ship Unloading System	 Russia	<ul style="list-style-type: none">Vostochny Port Power Plant CHP Belt Conveyors
 Brazil	<ul style="list-style-type: none">LV Technology Apodi Cement Plant Belt Conveyor	 Chile	<ul style="list-style-type: none">Chile Port Ventonas Belt Conveyors
 Venezuela	<ul style="list-style-type: none">LV Technology Cement Plant Belt Conveyor	 Pakistan	<ul style="list-style-type: none">Rohri Cement Plant Belt Conveyors
 Iran	<ul style="list-style-type: none">CATIC Cement Plant Belt Conveyors	 United States	<ul style="list-style-type: none">Cemex Knoxville Plant Belt ConveyorsCemex Brooksville Plant Belt Conveyors
		 Nigeria	<ul style="list-style-type: none">LafargeHolcim - Overland Conveyor Belt Replacement 9km

Engineering for bulk material handling

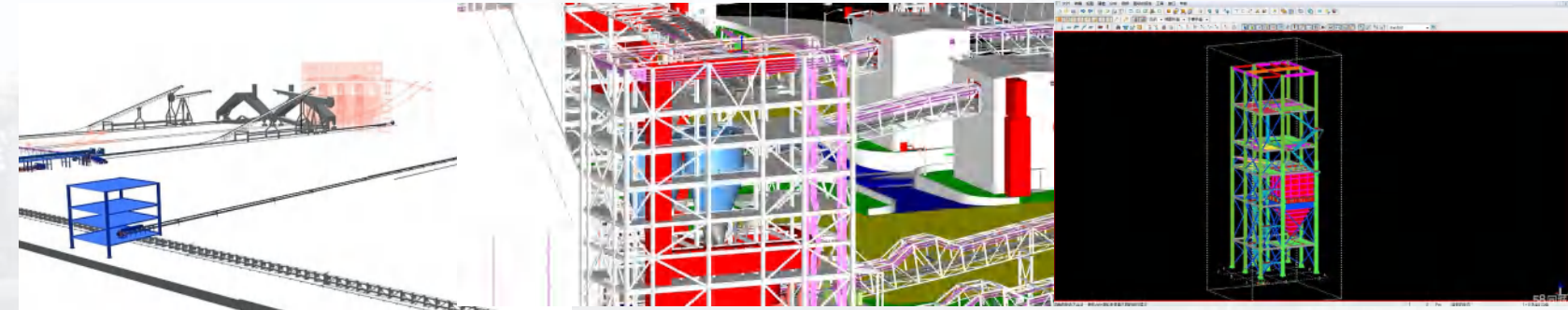
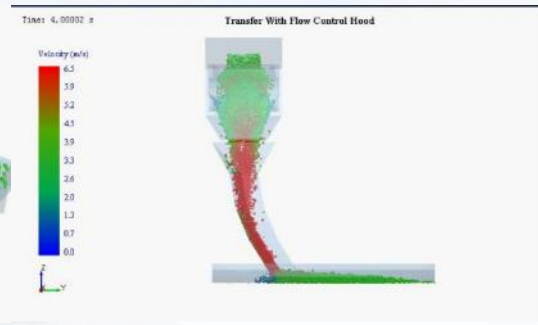
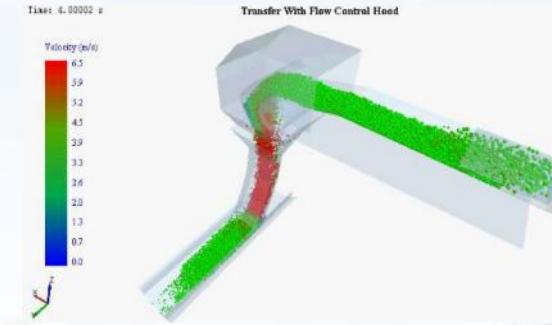


01 Dynamic Analyse of Overland Conveyor Start and Torque

02 Finite Element Design for Drive Pulley by ANSYSWork bench

03 Loading Chute 3D DEMDesign

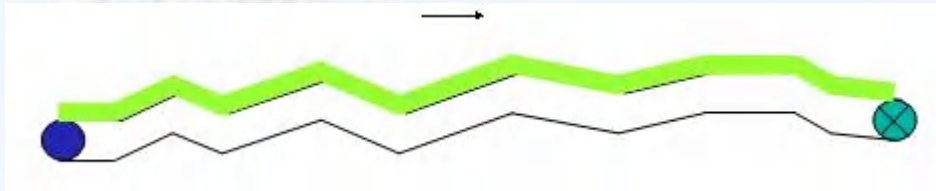
04 Steel Structure Tekla 3D Design



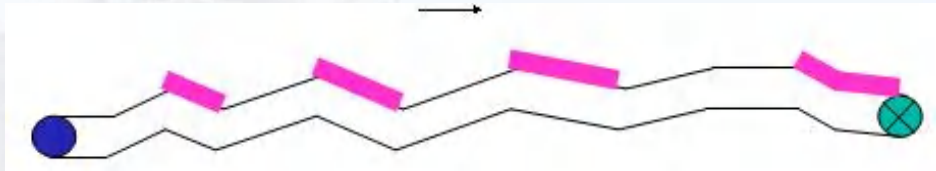
Engineering for bulk material handling

All the following working conditions shall be considered for overland belt conveyor

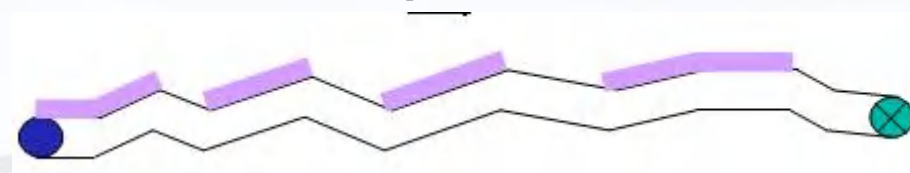
1. Full load operation



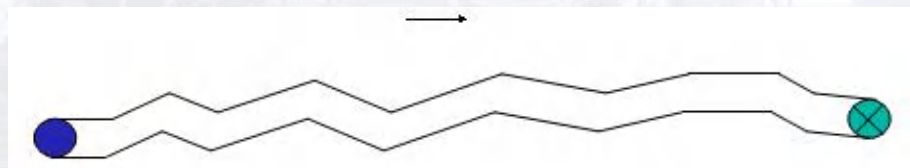
2. Max. Power generation Condition (all downhill section loaded)



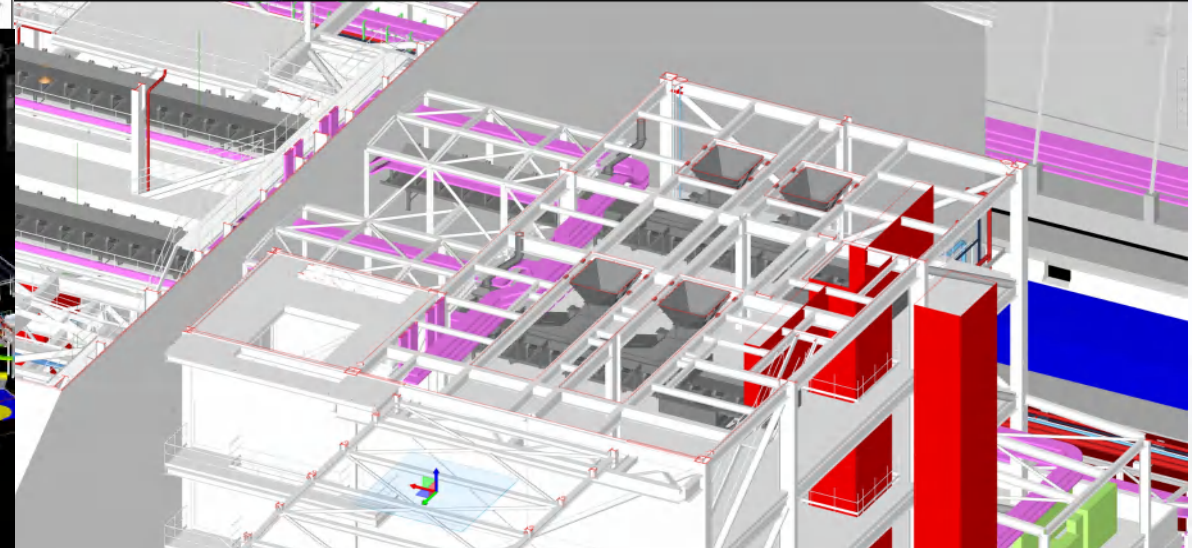
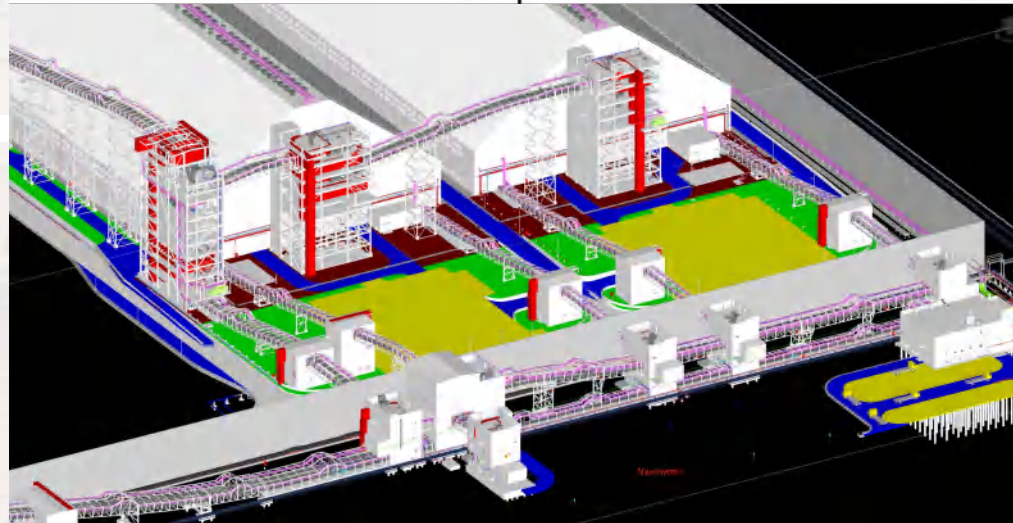
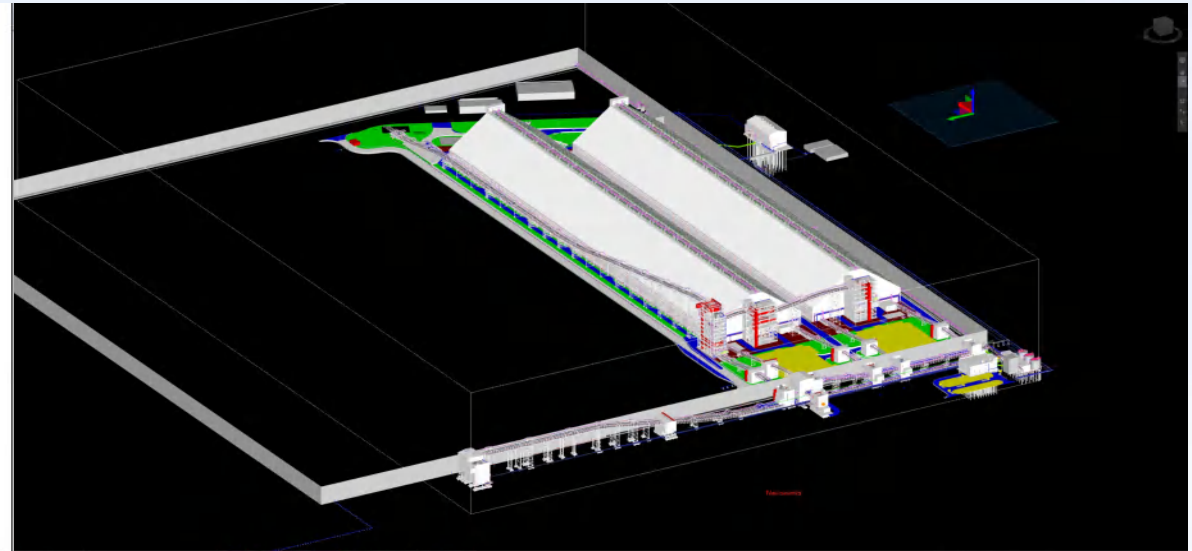
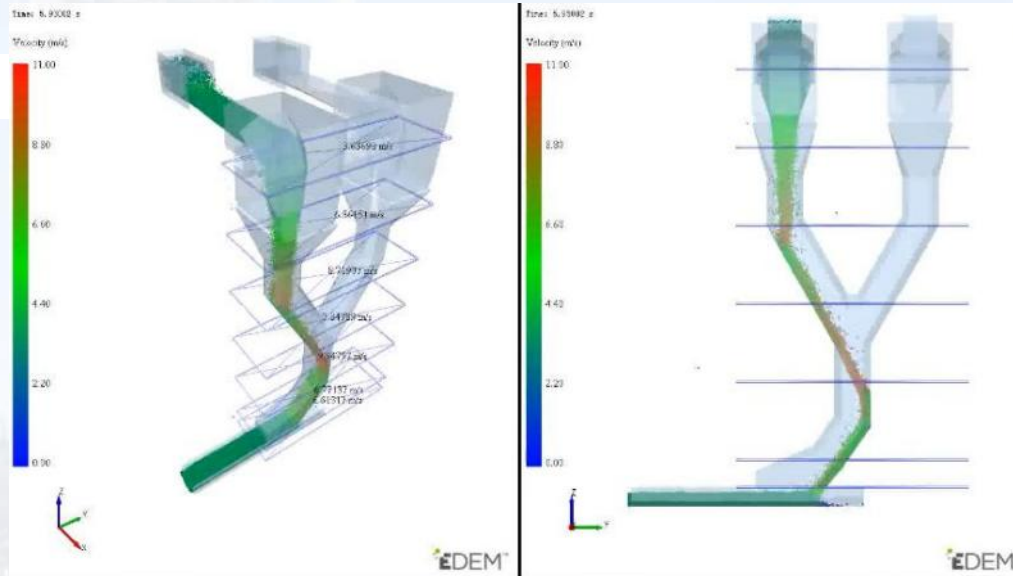
3. Max. Power drive conditions (all uphill section loaded)



4. Empty Load



Engineering for bulk material handling



Project Highlights

Steel Plant Belt Conveyors (EPs), Ha Tinh Steel, Formosa, Vietnam, length over 15km in total



Project Highlights

Steel Plant Belt Conveyors (EPs), Ha Tinh Steel, Formosa, Vietnam, length over 15km in total



Project Highlights

Coal Handling System of Power Plant (EPs), Vostochny Port, Russia,
BW2000. 6000m.3000tph



Project Highlights

Coal Handling System of Power Plant (EPs), Vostochny Port, Russia,
BW2000, 6000m,3000tph



Project Highlights

Chile Port Ventonas Conveyor/Pipe Conveyor



Project Highlights

Chile Port Ventonas Conveyor/Pipe Conveyor



Project Highlights

Ship Loading System (EPs), Siam City Cement, Vietnam



Project Highlight

Smart Bulk Loading System 1# & 2# (EPs), LafargeHolcim, Uganda



Satisfied certificate

We, HIMA CEMENT LIMITED, UGANDA LAFARGE, satisfy for working with CETEC for BCLS project. During this project, CETEC supplied professional engineering, qualified equipment, commissioning and necessary service at the site.
At the same time, our team have good cooperation with CETEC site team and engineering team in China.

Signature: *[Handwritten Signature]*
25/4/2016
Project manager
Hima Cement Limited (Lafarge Uganda)
Hima Plant, Kasese Uganda



Project Highlight

Smart Bulk Loading System (EPs), Siam City Cement, Vietnam



Project Highlights

Long Steel Cord Belt Supply & Installation(9km), LafargeHolcim, Nigeria



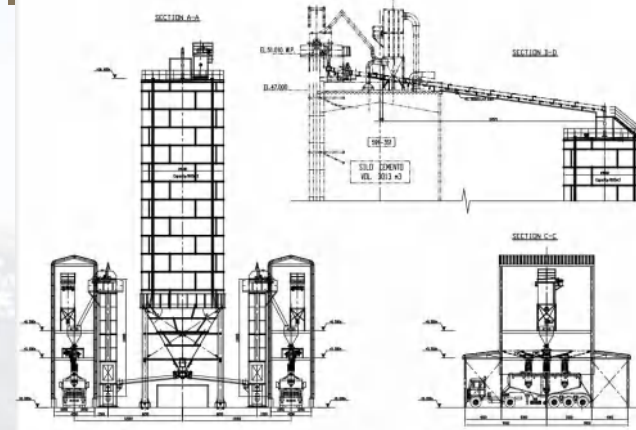
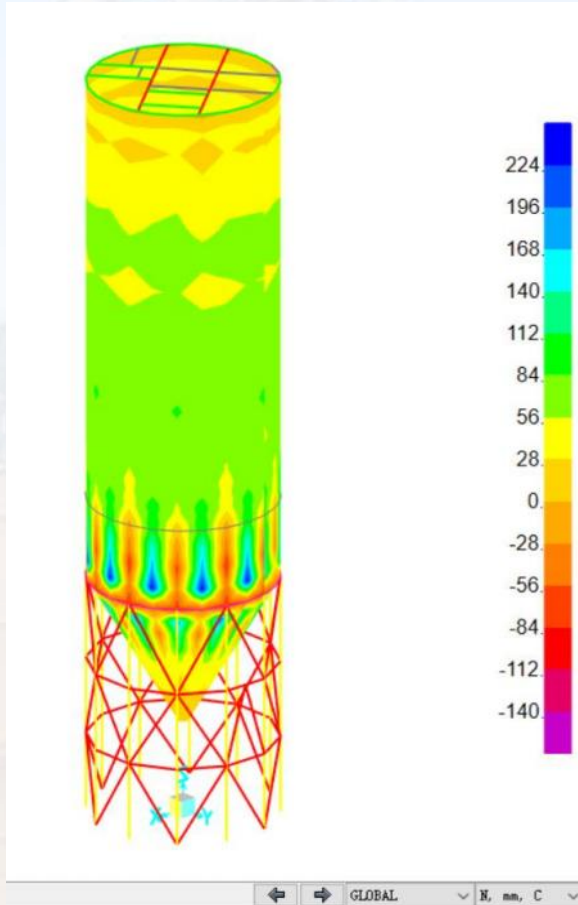
Project Highlights

Australia Crushing Plant Conveyors



Project Highlights

1600m³ Bolted Cement Steel Silo & Bulk Loading(2*150tph),Chile



Tekla Modelling & Design
Locally certified engineering
Assembly before shipment

Project Highlights

1600m³ Bolted Cement Steel Silo & Bulk Loading(2*150tph),Chile

Equipment fabrication-bulk loader



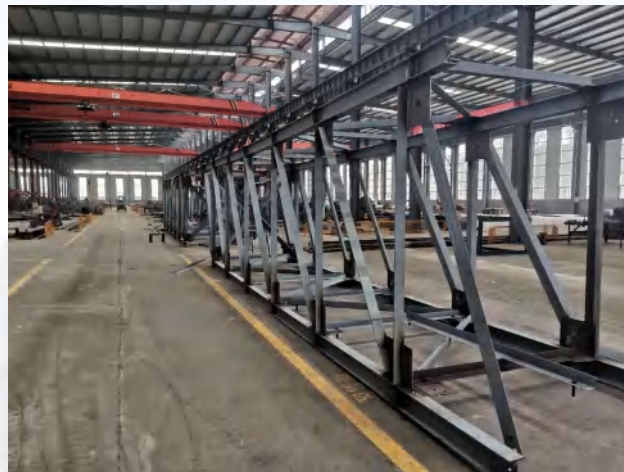
Project Highlights

1600m³ Bolted Cement Steel Silo & Bulk Loading(2*150tph),Chile



Project Highlights

Limestone & Gypsum Conveying System, Brooksville, Cemex US



Project Highlights

Belt Conveyors for Crushing Plant, Zambia



Project Highlights

Thermal Power Plants Coal Handling Belt Conveyors, Taiwan



Project Highlights

LafargeHolcim (Bangladesh) – Ship Unloading System



Acceptance Report

The buyer Holcim Cement Bangladesh Limited purchased machine Crane(GO814ZB) from The seller CETEC CO.,LTD. And the buyer received machine on date 1th.Nov.2016. After installation, commissioning, testing, the buyer prove that each machine function reached the contract requirements and the performance is good and acceptable.

Signature: Mohammad Anwar
Date: 02 Nov. 2016.



Project Highlights

SEIC Crushing and Transporting System(2000tph)



Project Highlights

Overland Belt Conveyor, Hebei Iron Ore, China , L=3300m,
Lift+140m,B1400,2000t/h



Project Highlight

Belt Conveyors for clinker & Additive Storage, Burkina Faso



Project Highlights

Clay Pit Belt Conveyor Extension, Insee Cement, Vietnam





Thank You



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