

Pipe Conveyor

**HENAN EXCELLENT
MACHINERY CO.,LTD**

Bulk Material Handling





PIPE CONVEYOR PROFILE

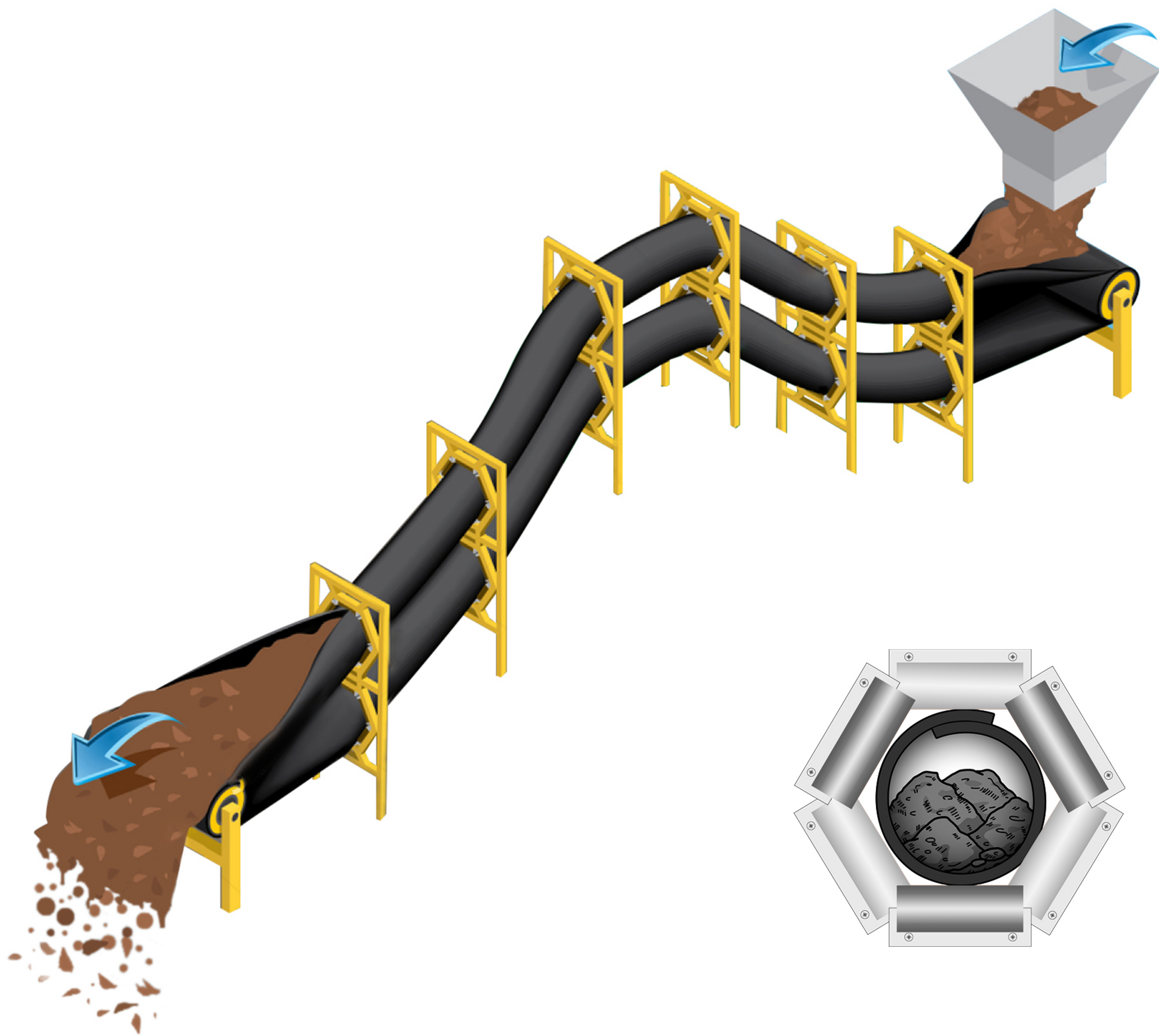


The pipe conveyor is actually a tubular conveyor belt that wraps the material for transportation. Problems such as material spills, steep slopes and curve layout limitations are solved. Pipe conveyor can be widely used in coal, mining, chemical, cement, metallurgy and other industries, especially powder or similar to liquid materials.

HOW IT WORKS

Pipe conveyor is an important bulk material conveying equipment, widely used in mining, coal, cement, Metallurgical and other industries. Playing an important role in industrial production and bulk transportation.

Pipe conveyor is a kind of special belt conveyor which developed on the basis of traditional belt conveyor. It is a kind of circular conveyor formed by the roller group guide to form a round tube, and the material is surrounded by the round tube. The device that achieves closed delivery on the conveyor line.



ADVANTAGES



The conveyor machine width is small

- 03** Due to the use of a circular section to transport the material, the belt belt machine has a larger effective conveying area at a lower width. Under the same conditions, the width direction can be reduced to 1/3 of the original. This reduces the space requirement for civil construction. , reducing steel consumption, reducing costs and working hours.

Can increase the conveying inclination

- 04** The material is wrapped around the conveyor belt, and the conveying pressure is increased by the side pressure and the friction between the material and the inner surface of the conveyor belt. The larger the filling coefficient, the larger the inclination angle can be up to 30°.

Two-way conveying of materials

- 05** Since the belt belt machine adopts a closed tubular structure in both the load-bearing section and the return section, the return section can still transport the material.

Close transport of bulk materials

- 01** It does not spill or leak during the conveying process, and also prevents the mixing of materials outside the pipe. Therefore, the pollution-free green transportation is realized, the environment is purified, and the belt conveyor corridor or the sealing cover is not required to be installed, thereby reducing the cost of infrastructure and the equipment cost.

Curved arrangement in space

- 02** It can realize the turning in the vertical plane and the horizontal plane, can bypass various obstacles, cross roads, railways, rivers and various buildings, etc. without intermediate transfer, so the wiring layout is simple, the failure rate is small, and the maintenance amount less.

WHY CHOOSE EXCT BELT CONVEYOR



Conveyor Belt

- Wear-resistant bottom cover.
- High-adhesive bonding rubber layer.
- Transversely reinforced fabric plies.
- Steel-cord reinforcement.
- High-tensile steel cord.
- Top cover optimized for bulk material.

Driving Device

Brand of driving device can choose on your request.
International brands like SEW,ABB,SUMITOMO,SIE-
MENS.

China brand like Yutong,Tailong,Guomao,Taix-
ing,Nangaochi.

Powerful enclosed and compact efficient motor drive
Shaft mounted and underslung gearbox reducer.

Optimization YOX YOT constant filling hydrodynamic
coupling.

Good balance and strong braking force Brake.



Pulley

- High coefficient of surface friction;
- Automatic welding machine of outer ring seam of pulley;
- For big environment humidity and long distance belt conveyor;
- New technology of Pillow block ball bearing;
- Hydraumatic symmetric three-roll bending machine;
- Pulley inner ring seam automatic welding machine.



Idler

Special hexagonal idler stations, installed on properly spaced panels, keep the pipe shape of the belt.

Automatic simultaneous welding, CNC milling of bearing housings.

Adopt precision deep-groove ball bearing of international brand.

Uniquely labyrinth seals design for definitely water/dust proof.

Low total indicated runout(T.I.R.), Less vibration.

Protection Device

Aluminum alloy housing, strong impact resistance.

Good sealing, dustproof, waterproof, anti-condensation.

Sensitive operation, reliable performance.

Plastic wire rope moisture, acid, flame retardant.

Prevent cable joints damp and virtual.

Automatically warning sign.



Guide Chute

The bottom edge width of the guide trough is $2/3-1/2$ bandwidth

Restrains the material from falling out

The material can be concentrated to the middle of the conveyor belt.

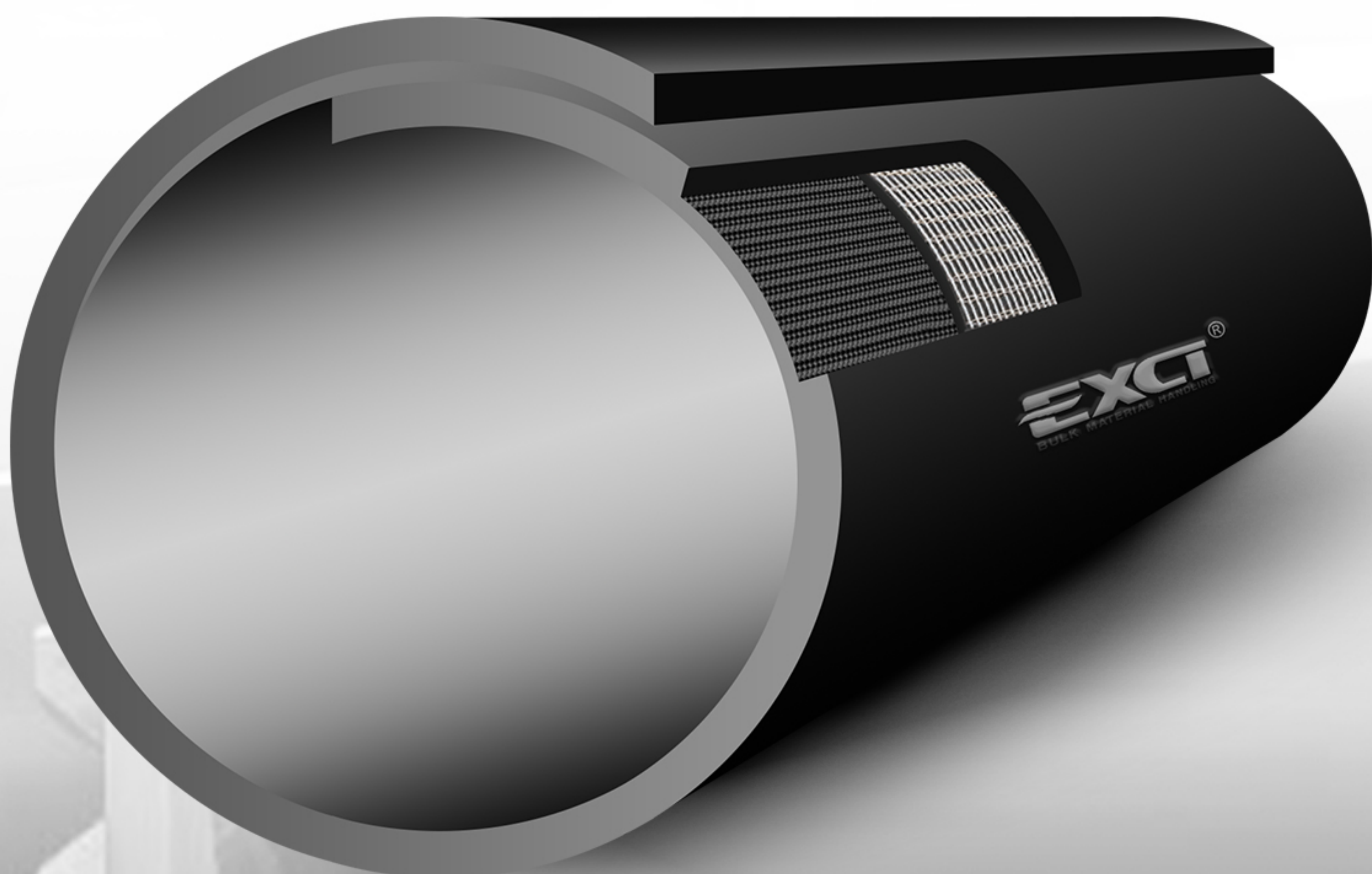
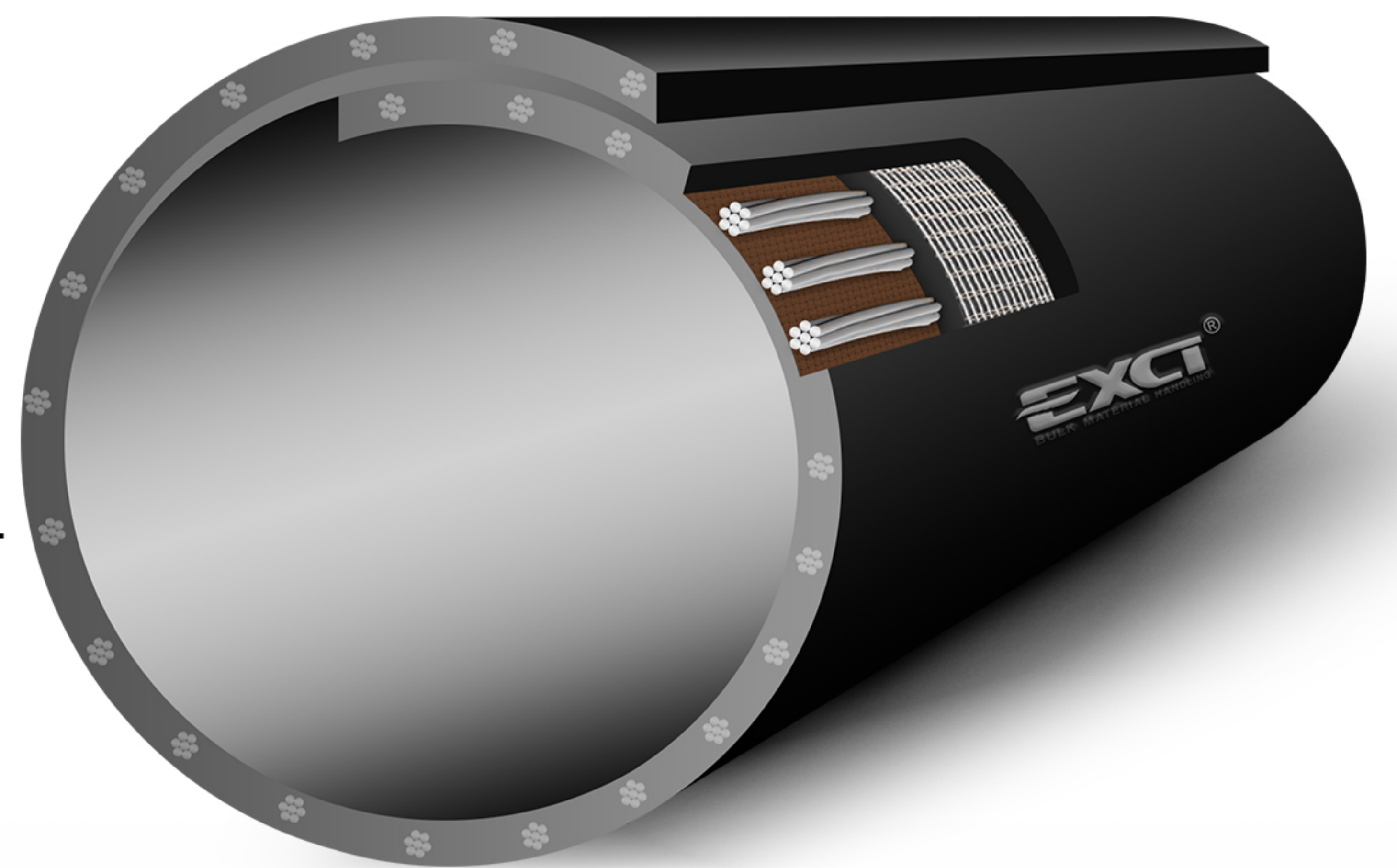
The cross-sectional shape of the guide trough: rectangular and trumpet.

Three parts: the back baffle, the trough body and the front curtain.

TYPE OF BELT

Because of its closed belt design, EXCT provides dust-free transport of materials, keeping finer materials within the belt and not lost to the air. Meanwhile, the transported materials are protected from damaging external elements like wind and rain.

Fabric or steelcord carcass - Fire or oil resistant
Depending on requirements, the pipe belt is equipped with high-quality fabric or steel-cord strength members and a system of transverse reinforcements. This ensures a stable, durable tubular form. The high-tensile steel-cord pipe belts ($kN > 5,400 \text{ N/mm}$) offer new prospects, for example in surface and underground mining operations. On request the top and bottom covers of a CONTI PIPE belt may be equipped with standard or special rubber compounds protecting the pipe belt against very hot, abrasive, oily or chemical aggressive bulk materials.



HANDLING MATERIALS



Coal



Coal Ash



Iron Ore



Copper Ore



Silver Ore



Zinc Ore



Ore Powder



Sinter Ore



Limestone



Marble



Salt



Gravel Aggregate



Fertilizer



SUCCESS PROJECT



PIPE CONVEYOR

Pipe Diameter : 400mm

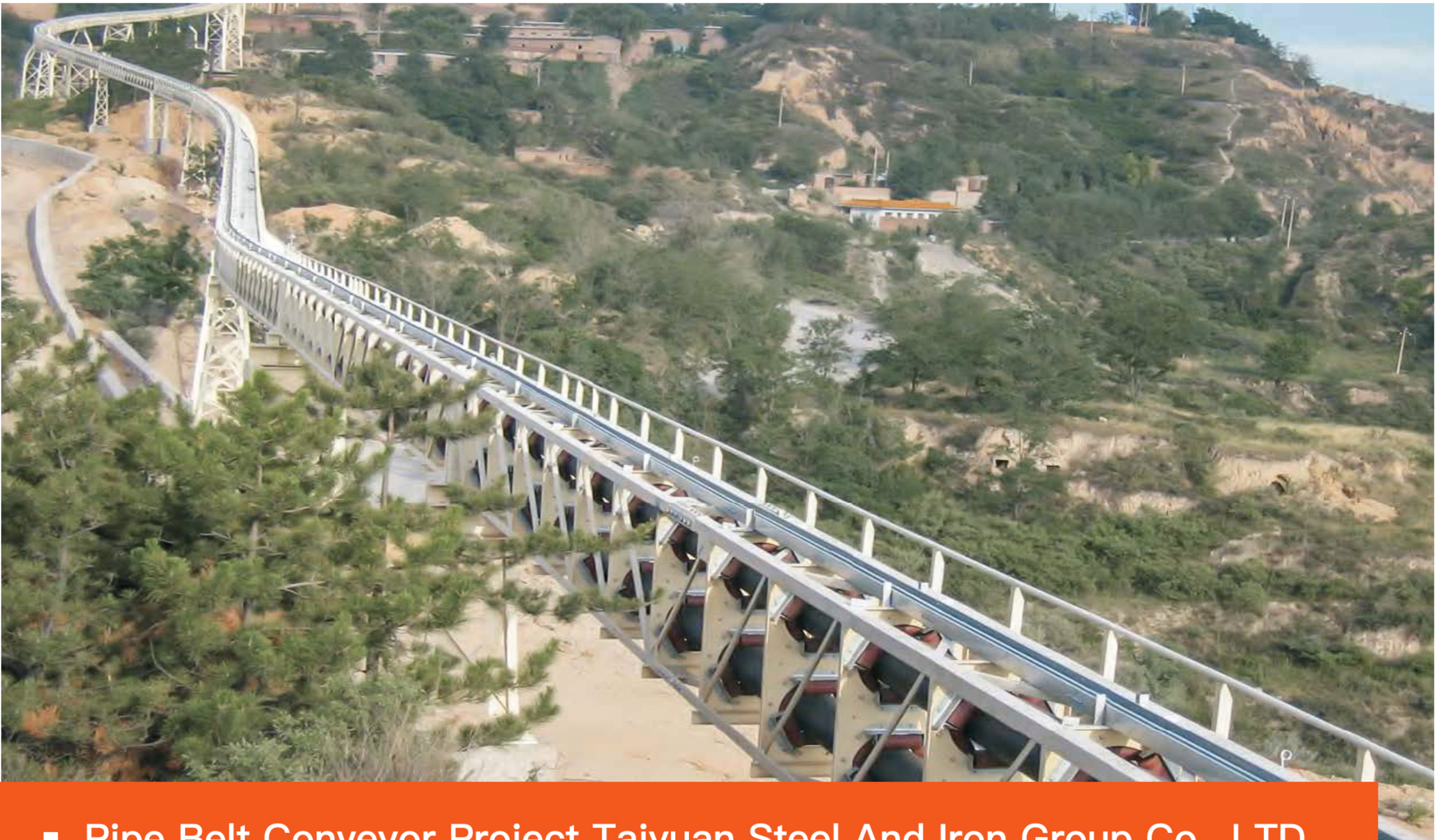
Length: 2376m

Handling Material: Fly Ash

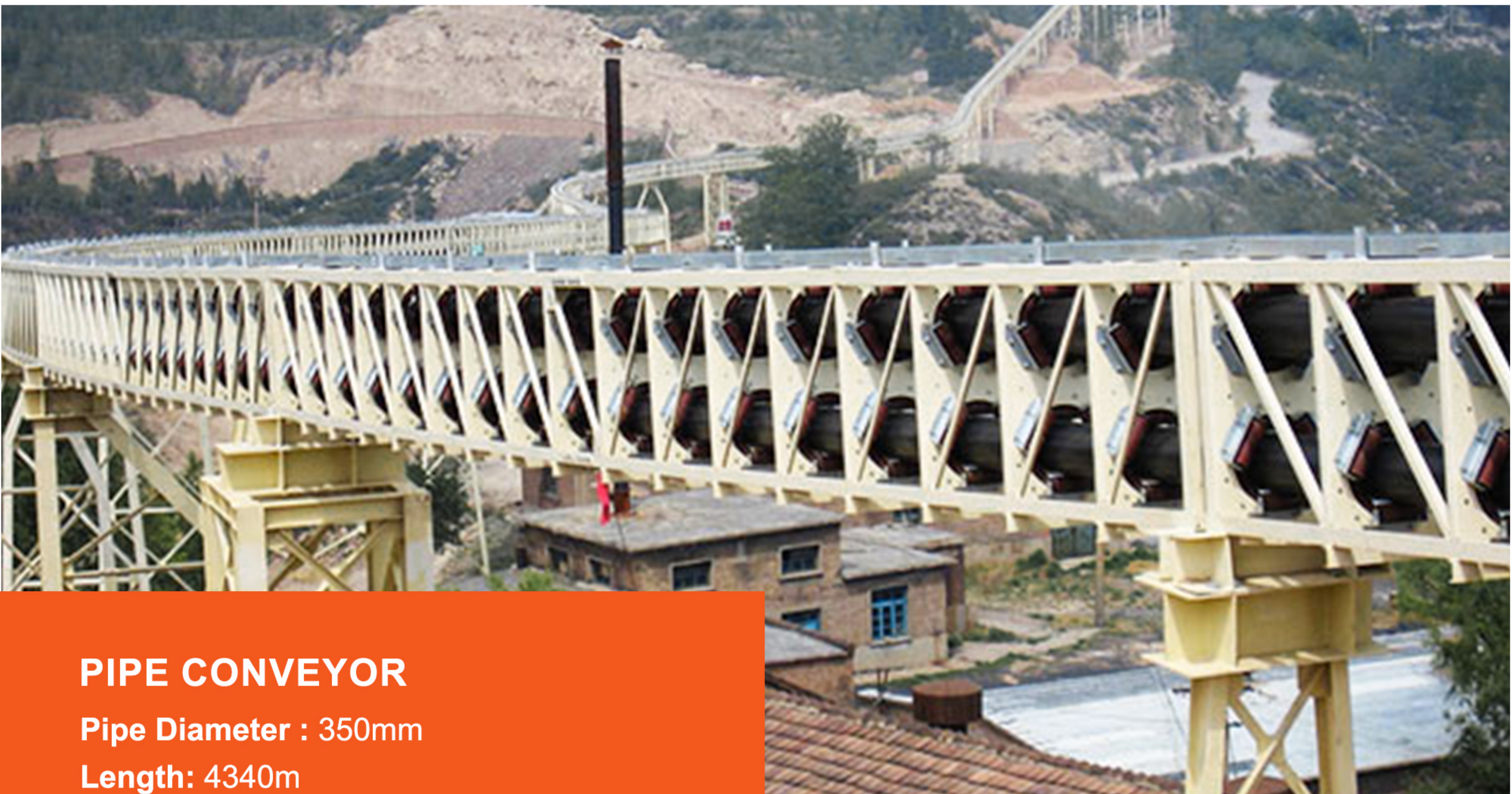
Handling Capacity: 750t/h



■ Inner Mongolia Datang International Toktor Power Generation Co., LTD.



- Pipe Belt Conveyor Project Taiyuan Steel And Iron Group Co., LTD.



PIPE CONVEYOR

Pipe Diameter : 350mm

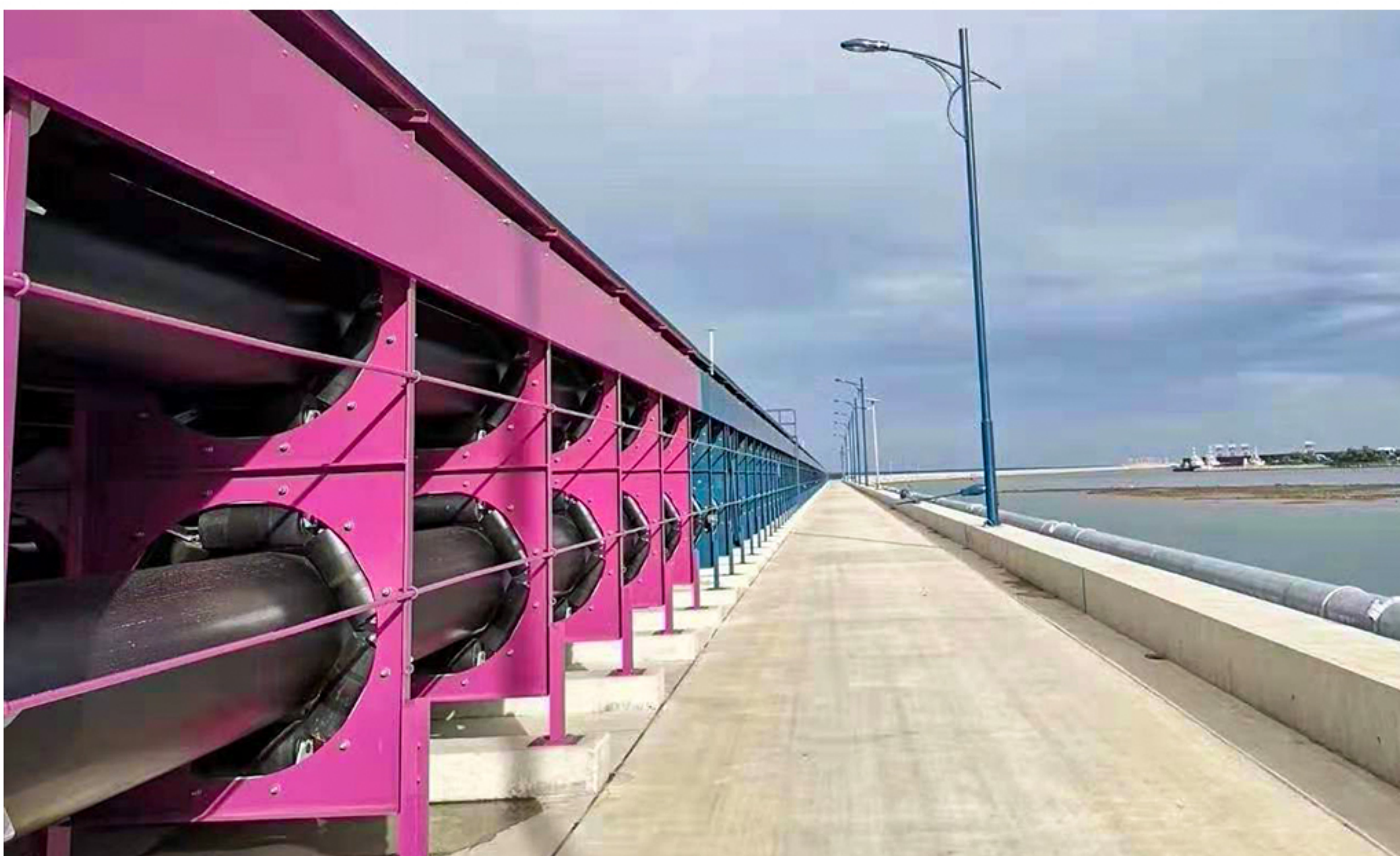
Length: 4340m

Handling Material: Limestone

Handling Capacity: 1,600t/h



■ Java Port Project In Indonesia



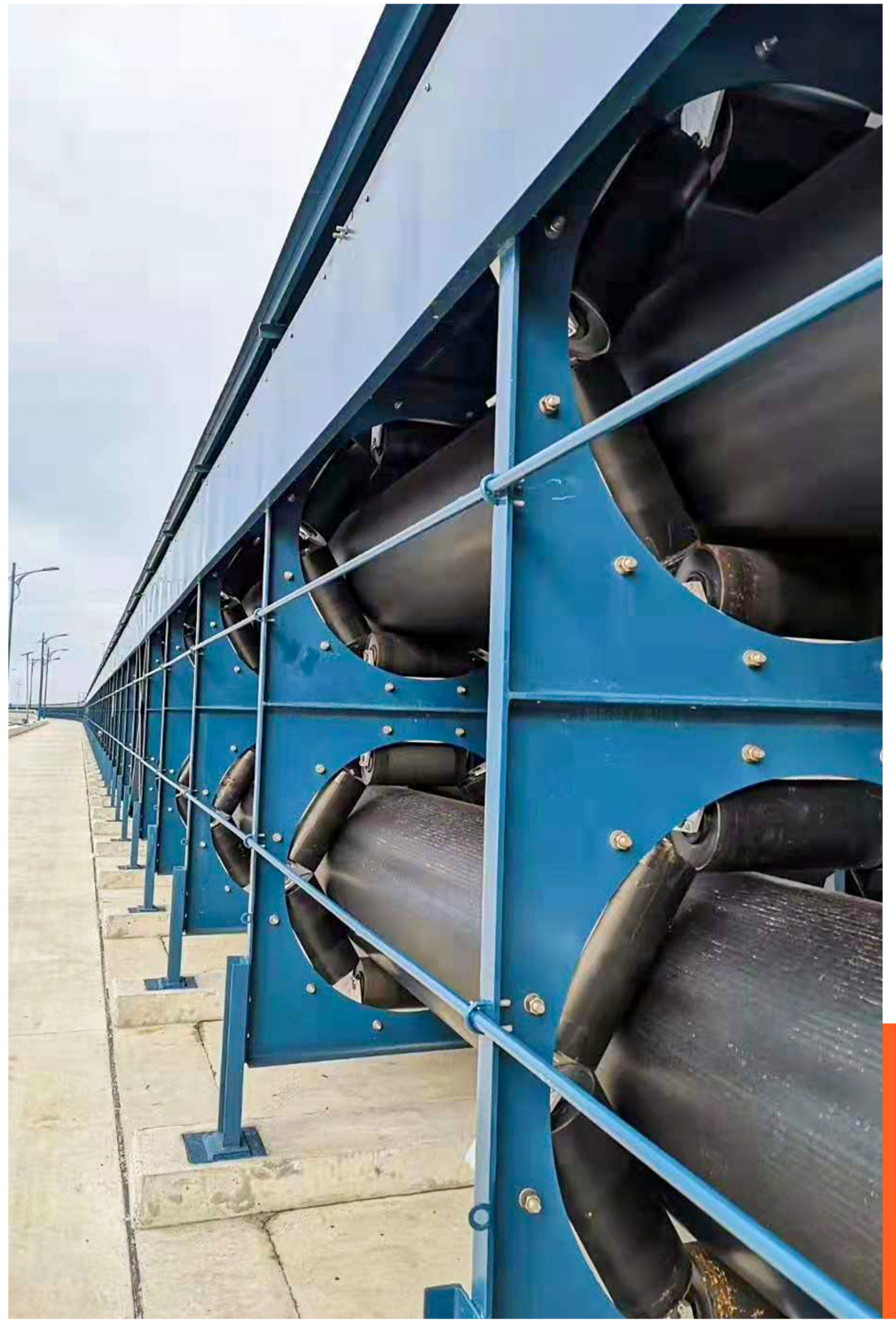
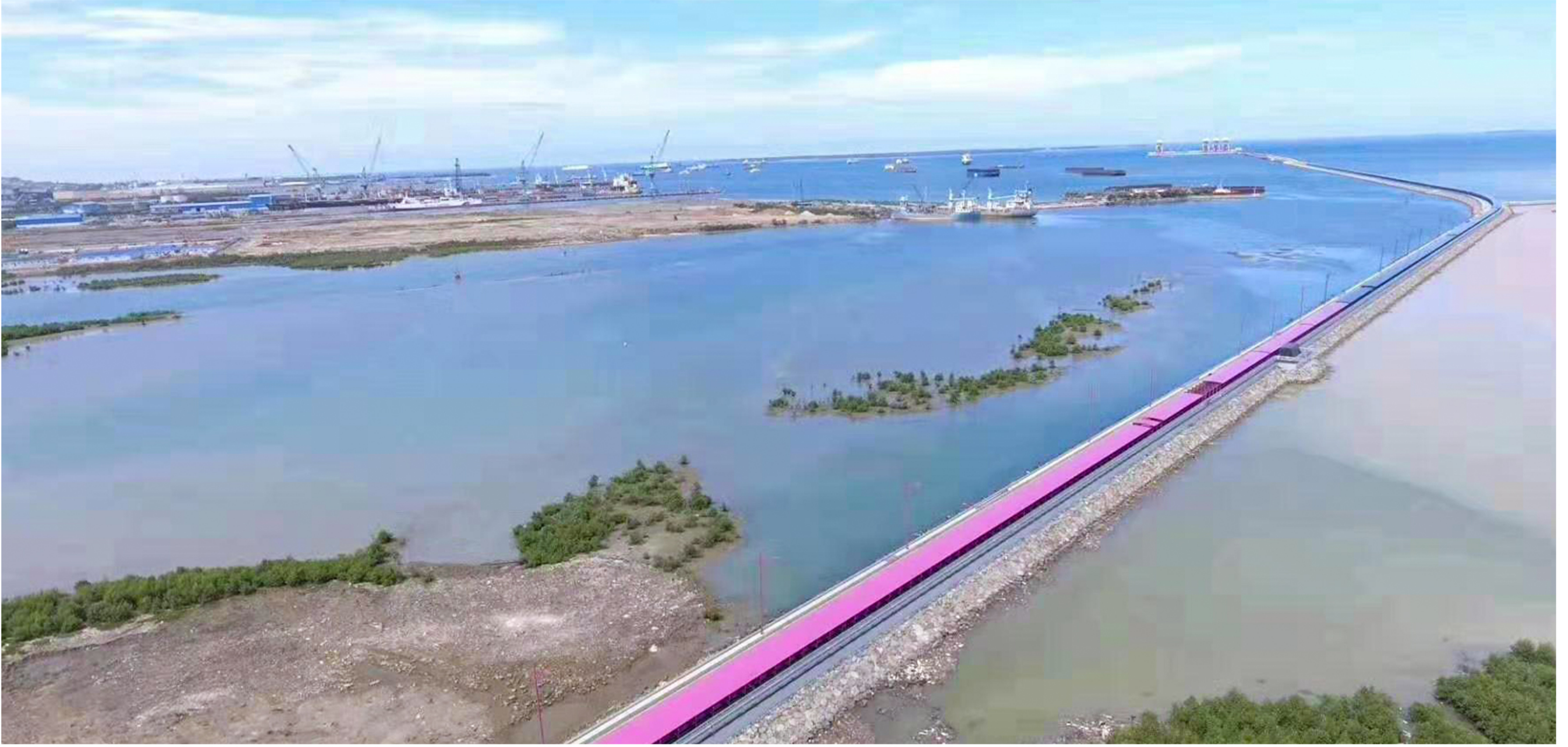
PIPE CONVEYOR

Pipe Diameter : 500mm

Length: 2000m

Handling Material: Coal

Handling Capacity: 1500t/h



- Power Plant Project Of Datang Wuan Power Generation Co., LTD.



PIPE CONVEYOR

Pipe Diameter : 500mm

Length: 650m

Handling Material: Coal

Handling Capacity: 750t/h





- Power Plant Project Gujiao Xishan Power Generation Co., LTD.



PIPE CONVEYOR

Pipe Diameter : 500mm

Length: 12000m

Handling Material: Coal

Handling Capacity: 1,600t/h

PIPE CONVEYOR

Pipe Diameter : 200mm Length: 515m Handling Material: Coal Handling Capacity: 200t/h



■ Pipe Belt Conveyor Project Of Lomon Billions Group Co., LTD



■ **Xinxiang Baoshan Power Plant Project**



PIPE CONVEYOR

Pipe Diameter : 400mm

Length: 400m

Handling Material: Coal

Handling Capacity: 650t/h



- CNOOC Huizhou Power Plant Project

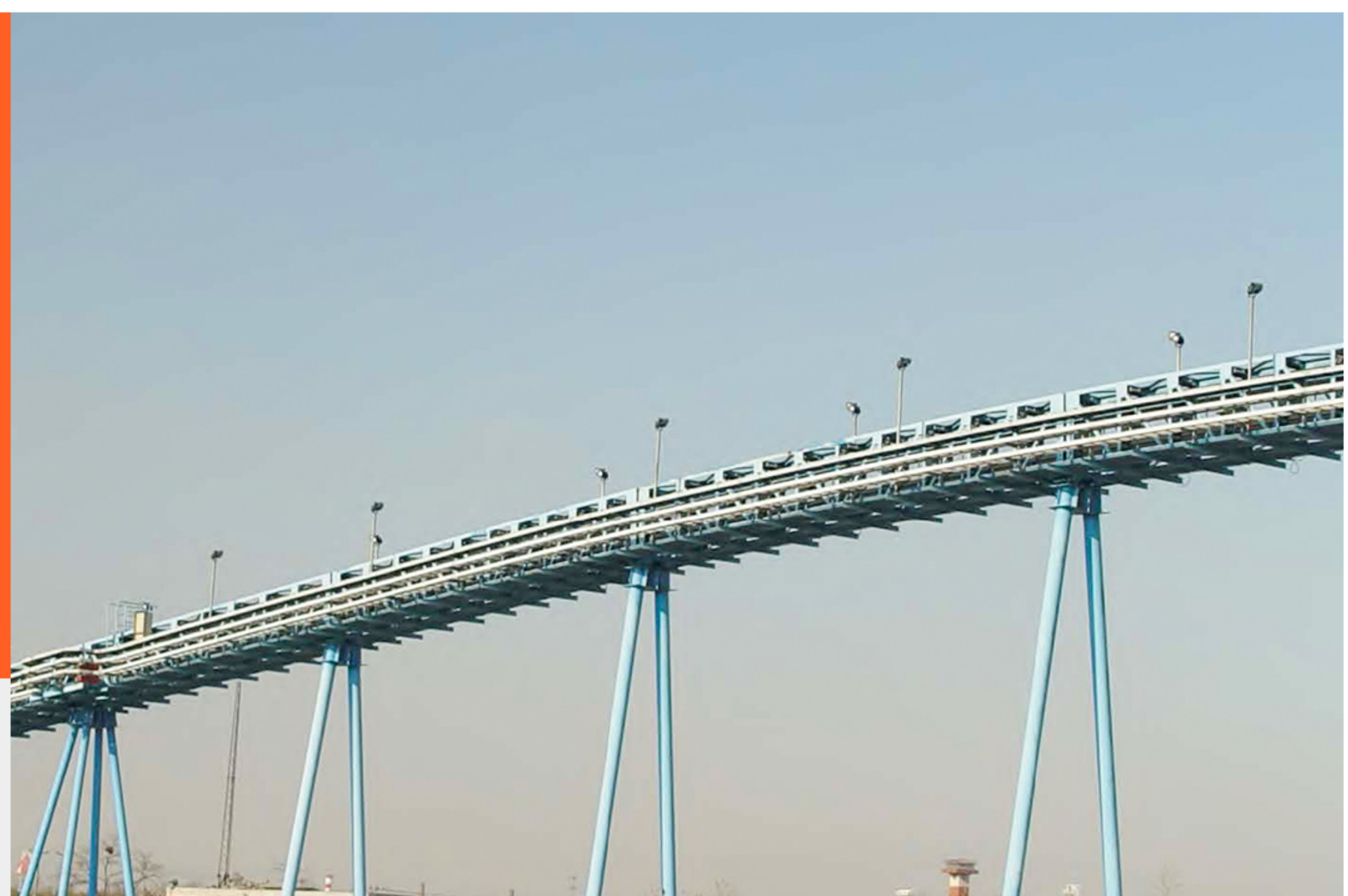
PIPE CONVEYOR

Pipe Diameter : 500mm

Length: 2,000m

Handling Material: Coal

Handling Capacity: 1,200t/h





Committed To Be Leader
In Bulk Material Handling

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