

### CURVODUC™ Custom Design



### POSSIBILITIES AND ADVANTAGES

- **Very long distances possible**  
Up to 53 km line in operation in China
- **Horizontal and vertical curves on the trajectory, to avoid transfer stations**  
Optimization of civil and construction works = better CAPEX  
Reduction of operation and maintenance works = better OPEX
- **Bidirectional solution available**  
Capacity to transfer material on carry side in one way and on return side in opposite way
- **Downhill Overland Conveyors can generate power**  
Positive energetic balance
- **Solutions for crossing complex obstacles like rivers or valleys**  
Long span crossing with conveyor suspended on ropes (up to 600 meters)  
Long span crossing with conveyor supported by shrouds (up to 100 meters)
- **No limit due to local or site conditions**  
Possible to design and operate in sites with seismic conditions, snow loads, very cold temperatures, strong wind forces
- **Solutions proven for decades**
- **All that solutions are applicable for high capacities (>10.000 t/h)**

### CURVODUC™ Easy to use

#### SOLUTIONS ADAPTED FOR MATERIAL HANDLING OF

- Copper, Iron, Gold and all kind of ore from metallic mines
- Ore concentrate
- Limestone, lime
- Cement, clinker
- Aggregates
- Coal, oil shale, petcoke



Why choose  
CURVODUC™ ?



Cost  
efficient



Environment  
friendly



System  
made-to-measure



Use of standard  
components



## LAST REFERENCES



**Gold Mine - Peru**  
Overland Conveyor of **1,5 km**  
1 horizontal curve with  
**radius of 800 m**



**Nickel Mine - New Caledonia**  
Overland Conveyor system of **11 km**  
Generation of Power during  
operation (**700 kW**)



**Cement Plant - Russia**  
Overland Conveyor of **6 km**  
Rope bridge to **cross a river /**  
**240 m span between pylons**



**Iron Ore concentrate  
exportation port - Brazil**  
Overland Conveyor of **3 km**  
High capacity of **20.000 t/h**



**Coal mine - Australia**  
Overland Conveyor of **4 km**  
Bidirectional conveyor with raw coal on  
carry side and washed coal on return side