



**PHB REFERENCES
IN MATERIALS HANDLING INSTALLATIONS**

PORT INSTALLATIONS

SLEWING CRANES-BEFORE YEAR 2000

ARTICULATED BOOM SLEWING CRANE - KÖLN - GERMANY

CUSTOMER: HÄFEN DER STADT KÖLN

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of :

- 1 Slewing crane
 - Material handled: Various
 - Lifting capacity: 15 t
 - Working radius: 20 m
 - With grab and hook

ARTICULATED BOOM SLEWING CRANE - KÖLN - GERMANY

CUSTOMER: HÄFEN DER STADT KÖLN

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of :

- 1 slewing crane
 - Material handled: Various
 - Lifting capacity: 12 t
 - Working radius: 30 m
 - With grab and hook

ARTICULATED BOOM SLEWING CRANE – COPENHAGEN - DANEMARK

CUSTOMER: KOBENHOVENS

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of :

- 1 slewing crane
 - Material handled: Various
 - Lifting capacity: 12 t
 - Working radius: 28 m
 - With grab and hook

PORT INSTALLATIONS

SLEWING CRANES-BEFORE YEAR 2000

ARTICULATED BOOM SLEWING CRANE – ALMIROS – GREECE

CUSTOMER: METALLOURGIKY HALYPS, S.A.

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of :

- 1 slewing crane
 - Material handled: Various
 - Lifting capacity: 15 t
 - Working radius: 32 m
 - With hook

ARTICULATED BOOM SLEWING CRANE – AVILÉS – SPAIN

CUSTOMER: ACERALIA

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of :

- 2 slewing cranes
 - Material handled: Various
 - Lifting capacity: 30 t
 - Working radius: 28 m
 - With grad and hook

ARTICULATED BOOM SLEWING CRANE – CANARY ISLANDS – SPAIN

CUSTOMER: CEMENTOS ESPECIALES

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of :

- 1 slewing crane
 - Material handled: Various
 - Lifting capacity: 16 t
 - Working radius: 20 m
 - With grab and hook

PORT INSTALLATIONS

SLEWING CRANES-*AFTER YEAR 2000*

SLEWING CRANE – ROTA – SPAIN

CUSTOMER: US NAVY

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of the revamping of :

- 1 slewing crane
 - Material handled: Various
 - Lifting capacity: 50 t
 - Working radius: 67.5 m
 - With hook

ARTICULATED BOOM SLEWING CRANE – CANARY ISLANDS – SPAIN

CUSTOMER: CEMENTOS ESPECIALES

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of :

- 1 slewing crane
 - Material handled: Various
 - Lifting capacity: 16 t
 - Working radius: 20 m
 - With grab and hook

Associated conveyors and ecological hooper

ARTICULATED BOOM SLEWING CRANE – AVILÉS – SPAIN

CUSTOMER: ACERALIA

YEAR: **2004**

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of :

- **2 new** slewing cranes
 - Material handled: Various
 - Lifting capacity: 30 t
 - Working radius: 30 m
 - With grab and hook

PORT INSTALLATIONS

SHIP/ BARGE LOADERS-BEFORE YEAR 2000

SHIP/ BARGE LOADERS – LÁZARO CÁRDENAS – MÉXICO

CUSTOMER: FERTIMEX

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of :

- 2 travelling bag loaders
 - Material handled: DAP/NPK & UREA
 - Capacity: 2.400 bags/h - 440 t/h
 - Boom length : 9,6 m
 - Slewing and luffing boom
 - Ships up to 40,000 DWT

SHIP/ BARGE LOADERS – JUBAIL – SAUDI ARABIEN

CUSTOMER: ROYAL COMMISSION PEPPER C. INC.

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of :

- 2 travelling bag loaders
 - Material handled: Urea
 - Capacity: 1.800 bags/h - 350 t/h
 - Boom length: 13 m
 - Slewing and luffing boom
 - Ships up to 40,000 DWT

SHIP/ BARGE LOADERS – RAVENNA – ITALY

CUSTOMER: MAGAZINI GENERALI DI RAVENNA

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of :

- 1 travelling bag loader
 - Material handled: Rice
 - Capacity: 2.400 bags/h - 240 t/h
 - Boom length: 6,5 m
 - Slewing and luffing boom
 - Ships up to 10,000 DWT

PORT INSTALLATIONS

SHIP/ BARGE LOADERS-BEFORE YEAR 2000

SHIP/ BARGE LOADERS – RUWAIS – ABU DHABI (UNITED ARAB EMIRATES)

CUSTOMER: ABU DHABI NATIONAL OIL COMPANY

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of :

- 2 travelling bag loaders
 - Material handled: Prilled urea
 - Capacity: 2.000 bags/h - 400 t/h
 - Slewing and luffing boom
 - Ships up to 25,000 DWT

SHIP/ BARGE LOADERS – AL-AHMADI – KUWAIT

CUSTOMER: NATIONAL PETROLEUM COMPANY

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of :

- 1 travelling ship loader
 - Material handled: Sulphur
 - Capacity: 400 t/h
 - Slewing and luffing boom
 - Ships up to 16,000 DWT

SHIP/ BARGE LOADERS – TARTOUS - SYRIA

CUSTOMER: GEN. ORG. FOR PHOSPHATES & MINES

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of :

- 1 travelling ship loader
 - Material handled: Phosphate
 - Capacity: 1.000 t/h
 - Luffing boom
 - Ships up to 25,000 DWT

PORT INSTALLATIONS

SHIP/ BARGE LOADERS-BEFORE YEAR 2000

SHIP/ BARGE LOADERS– BINTULU – MALAYSIA

CUSTOMER: KOBE STEEL

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of :

- 1 travelling ship loader
 - Material handled: Urea
 - Capacity: 2.400 bags/h and 440 t/h
 - Slewing and luffing boom
 - Ships up to 20,000 DWT

SHIP/ BARGE LOADERS – LA CORUÑA – SPAIN

CUSTOMER: DRAGADOS

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of :

- 1 travelling ship loader
 - Material handled: Coke
 - Capacity: 220 t/h
 - Ships up to 10,000 DWT

SHIP/ BARGE LOADERS – VARNA - BULGARY

CUSTOMER: TAMSIMPEX FOREIGN TRADE ORG.

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of :

- 2 travelling ship loaders
 - Material handled: Soda
 - Capacity: 1.400 t/h
 - Slewing and luffing boom
 - Ships up to 25,000 DWT

PORT INSTALLATIONS

SHIP/ BARGE LOADERS-BEFORE YEAR 2000

SHIP/ BARGE LOADERS – ACABA - JORDAN

CUSTOMER: PORT CORPORATION ACABA

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of :

- 1 stationary ship loader
 - Material handled: Phosphate
 - Capacity: 1.000 t/h
 - Boom length: 22 m luffing boom
 - Ships up to 20,000 DWT

SHIP/ BARGE LOADERS – GIJÓN - SPAIN

CUSTOMER: J. P. EL MUSEL

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of :

- 1 travelling ship loader
 - Material handled: Iron ore/coal
 - Capacity: 2.600 t/h
 - Boom length: 18 m
 - Luffing boom
 - Ships up to 60,000 DWT

SHIP/ BARGE LOADERS – VERACRUZ - MEXICO

CUSTOMER: AGRONITROGENADOS

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of :

- 2 travelling ship loaders
 - Material handled: DAP/NPK & urea
 - Capacity: 2.400 bags/h and 440 t/h
 - Slewing and luffing
 - Ships up to 40,000 DWT

PORT INSTALLATIONS

SHIP/ BARGE LOADERS BEFORE YEAR 2000

SHIP/ BARGE LOADERS – FUERTEVENTURA - SPAIN

CUSTOMER: CEMENTOS ESPECIALES

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of :

- 1 travelling ship loader
 - Material handled: Sand
 - Capacity: 1.200 t/h
 - Boom length: 20 m
 - Slewing and telescopic

PORT INSTALLATIONS

SHIP/ BARGE LOADERS AFTER YEAR 2000

SHIP/ BARGE LOADERS – BANDAR ASSALUYEH - IRAN

CUSTOMER: CHIYODA CORPORATION

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of :

- 1 travelling ship loaders
 - Material handled: DAP/NPK & urea
 - Capacity: 2.000 bags/h and 1000 t/h
 - Boom length: 27 m
 - Slewing and luffing
 - Ships up to 45,000 DWT
 - Associated conveyors
 - 3 VP3 1800 reclaimers
 - Electrical equipment.

SHIP/ BARGE LOADERS – MELLITAH - LIBYA

CUSTOMER: WAFA COASTAL PLANT/ TECNIMONT

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of :

- 1 travelling ship loader
 - Material handled: sulphur pellets
 - Capacity: 450 t/h
 - Boom length: 26,5 m
 - Slewing and luffing
 - Ships up to 15,000 DWT
 - Wharf conveyor and associated equipment.

SHIP/ BARGE LOADERS – AL JUBAIL – SAUDI ARABIA

CUSTOMER: Jubail Export Refinery

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of :

- 1 travelling ship loader
 - Material handled: Coke
 - Capacity: 2500 t/h
 - Boom length: 28 m
 - Slewing and luffing
 - Ships up to 65.000 DWT

PORT INSTALLATIONS

SHIP/ BARGE LOADERS AFTER YEAR 2000

SHIP/ BARGE LOADERS – RAS AZ ZAWR – SAUDI ARABIEN

CUSTOMER: MA'ADEN

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of :

- 1 combined bulk ship loader with shipping conveyor
 - Material handled: MAP/DAP (phosphates)
 - Capacity: 2500 t/h
 - Boom length: 30 m
 - Slewing and luffing
 - Ships up to 70,000 DWT
 - Machine travel distance = 161 m
 - Jetty conveyors 206 m
 - Connecting conveyor of 3 Km
 - Longitudinal yards with two VP3 2000/54
 - Associated electrical equipment.

SHIP/ BARGE LOADERS – BILBAO – SPAIN

CUSTOMER: PETRONOR

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of :

- 1 travelling ship loader
 - Material handled: coke and sulphur.
 - Capacity: 900 t/h
 - Boom length: 24 m
 - Slewing and luffing
 - Ships up to 30,000 DWT
 - STVP2 circular yard 110 m diameter.
 - Sulphur yard.
 - Conveyors, warehouse, electrical equipment
 - Civil works.

PORT INSTALLATIONS

SHIP/ BARGE UNLOADERS BEFORE YEAR 2000

SHIP/ BARGE UNLOADERS – BUGGENUM - HOLLAND

CUSTOMER: NV PROVINCIALE

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of :

- 2 Grab type ship unloaders
 - Material handled: Coal
 - Capacity: 10 t and 400 t/h
 - Outreach: 25 m

SHIP/ BARGE UNLOADERS – EVS-HELBRANA - GERMANY

CUSTOMER: ENERGIEVERSARUNG SCHWABEN AG

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of :

- 2 Grab type ship unloaders
 - Material handled: Coal
 - Capacity: 16 t and 850 t/h
 - Outreach: 21 m

SHIP/ BARGE UNLOADERS – WEST BERLIN - GERMANY

CUSTOMER: SERIFNER KRAFT UND LICHT AG

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of :

- 2 Grab type grab unloaders
 - Material handled: Coal
 - Capacity: 13 t and 550 t/h
 - Outreach: 13 m
 - Grabs of 3,000 DWT

PORT INSTALLATIONS

SHIP/ BARGE UNLOADERS BEFORE YEAR 2000

SHIP/ BARGE UNLOADERS – KW HEYDEN - GERMANY

CUSTOMER: PREUSEN-ELEKTRA AG

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of :

- 1 Grab type grab unloader
 - Material handled: Coal
 - Capacity: 12 t and 500 t/h
 - Outreach: 14 m
 - Grabs of 3,000 DWT

SHIP/ BARGE UNLOADERS – LUDWIGSHAFEN - GERMANY

CUSTOMER: BASF AG

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of :

- 1 Grab type ship unloader
 - Material handled: Phosphate
 - Capacity: 12 t and 400 t/h
 - Outreach: 24 m

SHIP/ BARGE UNLOADERS – GIJÓN - SPAIN

CUSTOMER: J. P. EL MUSEL

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of :

- 2 Grab type ship unloaders
 - Material handled: Iron ore/coal
 - Capacity: 50 t and 2.800 t/h
 - Outreach: 42 m
 - Ships up to 250.000 DWT

PORT INSTALLATIONS

SHIP/ BARGE UNLOADERS **AFTER YEAR 2000**

SHIP/ BARGE UNLOADERS – GIJÓN - SPAIN

CUSTOMER: J. P. EL MUSEL

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of :

- 1 Grab type ship unloaders
 - Material handled: Iron ore/coal
 - Capacity: 50 t and 2.800 t/h
 - Outreach: 42 m
 - Ships up to 250.000 DWT

STORAGE AND BLENDING YARDS

LONGITUDINAL STOCKYARDS BEFORE YEAR 2000

COAL AND IRON ORE YARD – HUELVA - SPAIN

CUSTOMER: HUELVA PORT TRUST

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of :

- 2 Stackers
 - Capacity: 1.300 t/h
- 2 Bucket wheel reclaimers
 - Capacity: 2.800 t/h

IRON ORE, COAL AND COK YARD– GIJÓN - SPAIN

CUSTOMER: ENSIDESA

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of :

- 2 Bucket wheel stacker reclaimers
 - Stacking capacity: 3.000 t/h (Iron ore)
 - Reclaiming: 1.500 t/h
- 2 Drum reclaimers
 - Capacity: 1.500 t/h (iron ore)
- 2 Stackers
 - Capacity: 1.200 t/h
- 1 Stacker
 - Capacity: 650 t/h (coal)
- 1 Stacker reverser
 - Capacity: 380 t/h (cok)
- 1 Bucket wheel Reclaimers .
 - Tracked: 380 t/h capacity (cok)

STORAGE AND BLENDING YARDS

LONGITUDINAL STOCKYARDS BEFORE YEAR 2000

COAL YARD – GIJÓN - SPAIN

- CUSTOMER:** HIDROELÉCTRICA DEL CANTÁBRICO (PARQUE DE CARBONES DE ABOÑO)
- SCOPE OF SUPPLY:** Engineering, manufacture, assembly and commissioning of :
- 2 Stackers
 - Capacity: 1.800 t/h
 - 4 Bucket wheel Stacker-Reclaimers
 - Stacking capacity: 2.850 t/h
 - Reclaiming capacity: 1.450 t/h
 - 3 Drum reclaimers
 - Capacity: 600 t/h

COAL YARD – ALMERÍA - SPAIN

- CUSTOMER:** HORNOS IBÉRICOS ALBA, S.A.
- SCOPE OF SUPPLY:** Engineering, manufacture, assembly and commissioning of :
- 1 Scraper (portal type)
 - Capacity: 200 t/h

LIMESTONE YARD – BARCELONA - SPAIN

- CUSTOMER:** CEMENTOS UNILAND, S.A.
- SCOPE OF SUPPLY:** Engineering, manufacture, assembly and commissioning of :
- 1 Scraper (portal type)
 - Capacity: 160 t/h

SILEX YARD – AVILÉS - SPAIN

- CUSTOMER:** CRISTALERÍA ESPAÑOLA, S.A.
- SCOPE OF SUPPLY:** Engineering, manufacture, assembly and commissioning of :
- 1 Scraper (side type)
 - Capacity: 160 t/h

STORAGE AND BLENDING YARDS

LONGITUDINAL STOCKYARDS BEFORE YEAR 2000

CLAY AND LIMESTONE YARD – CHIHUAHUA – MÉXICO

CUSTOMER: CEMENTOS DE CHIHUAHUA

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of :

- 2 Scrapers (side type)
 - Capacity: 220 t/h

CLAY YARD – ANAHUAC – MÉXICO

CUSTOMER: CEMENTOS ANAHUAC

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of :

- 2 Scraper (portal type)
 - Capacity: 200 t/h

COAL YARD – TERUEL – SPAIN

CUSTOMER: ENDESA. POWER PLANT

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of :

- 1 Stacker
 - Capacity: 2.250 t/h
- 2 Scrapers (bridge type)
 - Capacity: 1.300 t/h
 - Length: 450 m 2 x 120.000 m³

COAL YARD – LA CORUÑA – SPAIN

CUSTOMER: ENDESA. POWER PLANT

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of :

- 1 Crawler Stacker
 - Capacity: 10.800 t/h
- 1 Crawler Stacker
 - Capacity: 5.800 t/h

FLY AND BOTTOM ASHES YARD – PIEDRAS NEGRAS – MÉXICO

CUSTOMER: COMISIÓN FEDERAL DE ELECTRICIDAD

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of :

- 1 Crawler Stacker
 - Capacity: 820 t/h

STORAGE AND BLENDING YARDS

LONGITUDINAL STOCKYARDS BEFORE YEAR 2000

COAL AND IRON ORE YARD – GIJÓN - SPAIN

CUSTOMER: GIJON PORT TRUST - EBHI
SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of :

- 2 Bucket wheel Stacker-reclaimers
 - Stacking capacity: 2.800 t/h
 - Reclaiming capacity: 1.400 t/h

CLINKER YARD – ISLAS CANARIAS - SPAIN

CUSTOMER: CEMENTOS ESPECIALES
SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of :

- 1 Scraper (portal type)
 - Capacity: 200 t/h
 - With cover

LIMESTONE YARD – TORAL DE LOS VADOS. PONFERRADA - SPAIN

CUSTOMER: CEMENTOS COSMOS
SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of :

- 2 Scrapers (portal type)
 - Capacity: 200 t/h

IRON ORE YARD – GIJÓN – SPAIN

CUSTOMER: ACERALIA, S.A.
SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of :

- 1 Bucket wheel Stacker-Reclaimer
 - Stacking capacity: 3.000 t/h
 - Reclaiming capacity: 1.500 t/h

CEREALS YARD – TAMPICO – MÉXICO

CUSTOMER: TERMINAL MARITIMA ALTAMIRA
SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of :

- 2 Scrapers (side type)
 - Capacity: 350 t/h

STORAGE AND BLENDING YARDS

LONGITUDINAL STOCKYARDS BEFORE YEAR 2000

LIMESTONE YARD – PERKASA – INDONESIA

CUSTOMER: CENTUNION

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of :

- 1 Scraper (bridge type)
 - Travel gauge 42 m
 - Capacity: 300 t/h

DAP/NPK & UREA YARD – LAZARO CARDENAS – MEXICO

CUSTOMER: FERTIMEX

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of

- 2 Scraper (portal type)
 - Capacity: 800 t/h
 - Travel gauge 50 m
 - Two booms, principal and secondary

STORAGE AND BLENDING YARDS

LONGITUDINAL STOCKYARDS **AFTER YEAR 2000**

IRON ORE YARD – GIJÓN – SPAIN

CUSTOMER: ACERALIA, S.A

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of :

- 1 Scraper (bridge type)
 - Capacity: 2000 t/h
 - Travel gauge: 36 m

LIMESTONE YARD – CHLEF – ALGERIE

CUSTOMER: CEMENTERIE D'EL ASNAM

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of the revamping of:

- 1 Scraper (bridge type)
 - Capacity: 800 t/h

COAL YARD – CAN – TURKEY

CUSTOMER: ALSTOM

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of :

- 2 Bucket wheel Stacker-reclaimers
 - Stacking capacity: 600 t/h
 - Reclaiming capacity: 600 t/h
 - Boom length: 30 m

COKE YARD – RIO GRANDE– BRASIL

CUSTOMER: TOYO

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of :

- 1 Stacker
- 1 Scraper (portal type)
 - Stacking capacity: 150 t/h
 - Reclaiming capacity: 270 t/h
 - Travel gauge 35 m
 - Boom length: 24 m
 - Conveyors and associated equipment.

FLY AND BOTTOM ASHES YARD – NARCEA – SPAIN

CUSTOMER: FORCON

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of :

- 1 Stacker
 - Capacity: 350 t/h
 - Boom length: 14 m

STORAGE AND BLENDING YARDS

LONGITUDINAL STOCKYARDS **AFTER YEAR 2000**

DAP/NPK & UREA YARD – BANDAR ASSALUYEH - IRAN

CUSTOMER: CHIYODA CORPORATION

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of :

- 3 Scraper (portal type)
 - Capacity: 1350 t/h – 1800 m³/h
 - Travel gauge 54 m
 - Three booms, two principals and one secondary

SLAG YARD – BILBAO - SPAIN

CUSTOMER: ATLANTICA DE GRANELES

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of :

- 1 Stacker
 - Capacity: 1000 t/h
- 1 Reclaimer VP2
 - Capacity: 200 t/h (coal)
 - Travel gauge: 30 m
 - Boom length: 22 m
 - Conveyors
 - Warehouse
 - Civil works

ADDITIVES & LIMESTONE YARD – ALCONERA - SPAIN

CUSTOMER: CEMENTOS BALBOA

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of :

- 1 Stacker
 - Capacity: 1000 t/h
 - Boom length: 15 m
- 2 Lateral scrapers
 - Capacity: 250 t/h
 - Boom length: 23 m
- 1 Frontal scraper
 - Capacity: 400 t/h
 - Travel gauge: 24 m

STORAGE AND BLENDING YARDS

LONGITUDINAL STOCKYARDS **AFTER YEAR 2000**

DAP GRANULATION PLANT – RAS AZ ZAWR – SAUDI ARABIEN

CUSTOMER: MA'ADEN

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of :

- 2 Portal scraper reclaimer with 3 scraper booms
- 1 Stacker
 - Capacity: 800 t/h
- 2 Scrapers (VP3)
 - Capacity: 2000 t/h
 - Rail Span 54 m
 - And associated conveyors

LIMESTONE & SHALE YARD – HIMACHAL PLANT - INDIA

CUSTOMER: JAYPEE GROUP

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of :

- 1 Portal Scraper Reclaimer VP1
 - Capacity: 438 t/h
 - Rail Span: 35

WOODEN CHIPS HANDLING SYSTEM- MEJILLONES – CHILE

CUSTOMER: SUEZ ENERGY

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of :

- 1 Stacker
 - Capacity: 600 t/h
 - Boom length: 20 m
- 1 Side reclaimer
 - Capacity: 600t/h
 - Boom length: 26 m
 - And associated equipment.
 - 100.000 m3 of pile

STORAGE AND BLENDING YARDS

LONGITUDINAL STOCKYARDS **AFTER YEAR 2000**

COAL & COKE HANDLING SYSTEM – MEJILLONES – CHILE

CUSTOMER:

SUEZ ENERGY

SCOPE OF SUPPLY:

Engineering, manufacture, assembly and commissioning of :

- 1 Stacker
 - Capacity: 1200 t/h
 - Boom length: 40 m
- 2 Portal scrapers
 - Capacity: 500 t/h
 - And associated equipment.
 - Boom length: 46 m
- 500.000 tons yard
- Material preparation up to central hoppers.
- Electrical equipment from MT
- Fire fighting system
- Complete control system
- Mechanical and electrical EPC

REVAMPING – DALA & BELLA – INDIA

CUSTOMER:

JAYPEE GROUP

SCOPE OF SUPPLY:

Revamping Engineering, manufacture, assembly and commissioning of :

- 1 Frontal Bridge Reclaimer LHO
 - Capacity: 800 t/h

ADDITIVES HANDLING SYSTEM – ANDORRA (TERUEL) – SPAIN

CUSTOMER:

CEMEX

SCOPE OF SUPPLY:

Engineering, manufacture, assembly and commissioning of :

- 1 Stacker
 - Capacity: 200 t/h
 - Boom length: 5 m
- 2 Lateral scrapers
 - Capacity: 200 t/h
 - Boom length: 17 m
- Circular yard KHO 600/400-74
- Circular yard for coal STSK 300/100-D55
- Complete conveying system
- Electrical equipment

STORAGE AND BLENDING YARDS

LONGITUDINAL STOCKYARDS **AFTER YEAR 2000**

SODIUM SULPHATE TERMINAL – BILBAO – SPAIN

CUSTOMER: CONSIGNACIONES TORO & BETOLAZA

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of :

- Material handled: sodium sulphate
- Stacking Capacity: 250 t/h
- Reclaiming Capacity: 700 t/h
- Run way 180
- Cantilever and slewing lateral reclaimer
- Capacity 50.000
- Truck unloading stations
- Conveyors, warehouse, electrical equipment
- Civil works.

LONGITUDINAL LIMESTONE STOCKYARD – SETE PORT – FRANCE

CUSTOMER: LAFARGE

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of :

- Frontal scraper LHO 150/25
- And associated equipment.

LONGITUDINAL STOCKYARD for CEREALS – ALTAMIRA – MEXICO

CUSTOMER: LAFARGE

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of :

- Two side scrapes 400 t/h
- Associated conveyors

LATERAL COMBINED PORTAL STACKER RECLAIMER – SAGUNTO – SPAIN

CUSTOMER: ASLAND LAFARGE

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of :

- One portal VP2 400/100 -45 stacker reclaimer (combined machine)
- Truck unloading station
- Belt conveying systems
- Warehouse
- Electrical equipment.

LONGITUDINAL STOCKYARDS AFTER YEAR 2000

LIMESTONE STOCKYARD – TORREVALDALIGA NORD –ITALY

CUSTOMER: ENEL

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of :

- 1 Portal scraper
 - Capacity: 800 t/h
 - And associated equipment.
 - Boom length: 30 m
- Conveying system
- Gypsum yard
- Stacking systems with mobile conveyors
- Screening station.
- Bucket elevators
- Electrical equipment

LIMESTONE STOCKYARD – EL YAQUI – MEXICO

CUSTOMER: CEMEX

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of :

- 1 Stacker
 - Capacity: 1000 t/h
 - Boom length: 19 m
- 3 Frontal scrapers 750 t/h 29 m
- Electrical equipment

COKE STOCKYARD – EL YAQUI – MEXICO

CUSTOMER: CEMEX

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of :

- 1 Stacker
 - Capacity: 300 t/h
 - Boom length: 17 m
- 2 Lateral scrapers
 - Capacity: 250 t/h
 - Boom length: 24 m
- Electrical equipment

LONGITUDINAL STOCKYARDS AFTER YEAR 2000

COKE STOCKYARD – TEPEACA – MEXICO

CUSTOMER: CEMEX

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of :

- 1 Stacker
 - Capacity: 300 t/h
 - Boom length: 17 m
- 2 Lateral scrapers
 - Capacity: 250 t/h
 - Boom length: 24 m
- Electrical equipment

LIMESTONE STOCKYARD – BALCONES – USA

CUSTOMER: CEMEX USA

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of :

- Frontal scraper LHO 567/36
- And associated equipment.

COKE / COAL HANDLING SYSTEM – PRIORIÑO – FERROL

CUSTOMER: ENDESA

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of :

- 1 Stacker
 - Capacity: **5400 t/h**
 - Boom length: 40 m
- Complete conveying system
- Electrical equipment

PHOSPHATE HANDLING SYSTEM – K HOURIBGA – MOROCCO

CUSTOMER: OCP

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of :

- 2 Stackers
 - Capacity: 3120 t/h
 - Boom length: 31 m
- Complete conveying system
- Electrical equipment

LONGITUDINAL STOCKYARDS AFTER YEAR 2000

COKE, CLINKER AND COAL HANDLING SYSTEM – SANTANDER – SPAIN

CUSTOMER: DRAGADOS

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of :

- Automatic truck loading station 1000 t/h
- Automatic wagon loading station 1000 t/h
- Associated conveyors
- Electrical equipment
- (3) Three ecological Hoopers 3000 /1000 -300 m3

POLY METALIC MATERIAL HANDLING SYSTEM – COLQUIJIRCA– PERU

CUSTOMER: Minas Buenaventura

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of :

- 1 VP1
 - Capacity: 800 t/h
 - Boom length: 40 m
- Complete conveying system
- Warehouse
- Civil works
- Electrical equipment

COKE/COAL HANDLING SYSTEM – MONCLOVA– MEXICO

CUSTOMER: AHMSA

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of :

- 1 Stacker
 - Capacity: 600 t/h
 - Boom length: 25 m
- 1 Lateral scrapers
 - Capacity: 400 t/h
 - Rail Span 45 m
- Complete conveying system
- Electrical equipment

LONGITUDINAL STOCKYARDS AFTER YEAR 2000

SULPHUR MATERIAL HANDLING – SAFI– MOROCCO

CUSTOMER: Maroc Phosphore

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of :

- 2 Portal reclaimers
 - Capacity: 400 t/h
 - Rail Span 35 m
- Complete conveying system
- Electrical equipment

PHOSPHATE MATERIAL HANDLING – SAUDI ARABIA– MA'ADEN

CUSTOMER: Ma'aden-whorley Parson

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of :

- 1 Portal reclaimers
 - Capacity: 600 t/h
 - Rail Span 60 m
- Complete conveying system
- Electrical equipment

COKE HANDLING SYSTEM – BP OIL SAGUNTO REFINERY – SPAIN

CUSTOMER: BP OIL

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of :

- 1 Portal Stacker Reclaimer STVP2 400/400 (Combined machine)
 - Rail span 44.5
 - Truck loading station
 - (3) Three Pipe conveyors
 - Electrical equipment
 - Fire fighting equipment
 - Warehouse
 - Mill station.

SHIP/ BARGE LOADERS – AL JUBAIL – SAUDI ARABIA

CUSTOMER: Jubail Export Refinery

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of :

- 1 Coke Stockyard 130.000 tons capacity
 - 1 Portal Reclaimer VP2 500/60
 - Capacity: 500 t/h
 - Rail span: 60 m
- 2 Coke Stockyards 160.000 tons capacity
 - 1 Portal Reclaimer VP3 500/60
 - 2 main booms + 1 auxiliary Boom
 - Capacity: 500 t/h
 - Rail span: 60 m

STORAGE AND BLENDING YARDS

CIRCULAR STOCKYARDS *BEFORE YEAR 2000*

STORAGE AND BLENDING FOR LIMESTONE AND CLAY – ALCANAR. TARRAGONA – SPAIN

CUSTOMER: CEMENMAR. CEMENT PLANT
SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of :

- 1 Stacker
 - Capacity: 1.200 t/h
- 1 Scraper-bridge type
 - Capacity: 750 t/h
 - Diameter: 86 m
 - Storage capacity: 52.500 MT
 - With cover

STORAGE AND BLENDING FOR LIMESTONE AND CLAY – ALMERÍA – SPAIN

CUSTOMER: HISALBA. CEMENT PLANT
SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of :

- 1 Stacker
 - Capacity: 750 t/h
- 1 Scraper-bridge type
 - Capacity: 400 t/h
 - Diameter: 90 m
 - Storage capacity: 42.000 m³
 - With cover

STORAGE AND BLENDING FOR IMESTONE – ANAHUAC – MEXICO

CUSTOMER: ANAHUAC. CEMENT PLANT
SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of :

- 1 Stacker
 - Capacity: 1.000 t/h
- 1 Scraper-bridge type
 - Capacity: 200 t/h
 - Diameter: 90 m
 - Storage capacity: 62.000 m³
 - With cover

STORAGE AND BLENDING YARDS

CIRCULAR STOCKYARDS *BEFORE YEAR 2000*

STORAGE AND BLENDING FOR LIMESTONE – ANAHUAC – MEXICO

- CUSTOMER:** ANAHUAC. CEMENT PLANT
SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of :
- 1 Stacker
 - Capacity: 400 t/h
 - 1 Scraper-bridge type
 - Capacity: 200 t/h
 - Diameter: 90 m
 - Storage capacity: 67.000 m³
 - With cover

STORAGE AND BLENDING FOR LIMESTONE – CASTILLEJO YEPES. TOLEDO – SPAIN

- CUSTOMER:** PORTLAND IBERIA. CEMENT PLANT
SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of :
- 1 Stacker
 - Capacity: 1.200 t/h
 - 1 Scraper-bridge type
 - Capacity: 750 t/h
 - Diameter: 86 m
 - Storage capacity: 35.400 m³

STORAGE AND BLENDING FOR LIMESTONE – CASTILLEJO YEPES. TOLEDO – SPAIN

- CUSTOMER:** PORTLAND IBERIA. CEMENT PLANT
SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of :
- 1 Stacker
 - Capacity: 400 t/h
 - Diameter: 85 m
 - Storage capacity: 36.000 Tm

STORAGE AND BLENDING FOR CLINKER – HIDALGO – MEXICO

- CUSTOMER:** CEMENTOS HIDALGO. CEMENT PLANT
SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of :
- 1 Scraper-semi-portal type
 - Capacity: 300 t/h
 - Diameter: 70 m
 - Storage capacity: 40.000 Tm

STORAGE AND BLENDING YARDS

CIRCULAR STOCKYARDS BEFORE YEAR 2000

STORAGE AND BLENDING FOR LIMESTONE –ORIZABA – MÉXICO

CUSTOMER: CEMENTOS APASCO

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of :

- 1 Stacker
 - Capacity: 1.000 t/h
- 1 Scraper-bridge type
 - Capacity: 360 t/h
 - Diameter: 77 m
 - Storage capacity: 25.000 m³

STORAGE AND BLENDING FOR LIMESTONE –APAXCO – MÉXICO

CUSTOMER: CEMENTOS APASCO

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of :

- 1 Stacker
 - Capacity: 1.000 t/h
- 1 Scraper-bridge type
 - Capacity: 360 t/h
 - Diameter: 77 m
 - Storage capacity: 25.000 m³

STORAGE AND BLENDING FOR CLINKER – S. FELIÚ. BARCELONA – SPAIN

CUSTOMER: CEMENTOS LACSA

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of :

- 1 Scraper-semi-portal type
 - Capacity: 150 t/h
- 1 Stacker
 - Capacity: 300 t/h
 - Diameter: 43 m
 - With cover
 - Storage capacity: 15.000 m³

STORAGE AND BLENDING FOR LIMESTONE –GADOR. ALMERÍA – SPAIN

CUSTOMER: HISALBA. CEMENT PLANT

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of :

- 1 Stacker
 - Capacity: 300 t/h
- 1 Scraper-Bridge type
 - Capacity: 300 t/h
 - Diameter: 90 m
 - Storage capacity: 42.000 Tm

STORAGE AND BLENDING YARDS

CIRCULAR STOCKYARDS *BEFORE YEAR 2000*

STORAGE AND BLENDING FOR LIMESTONE – TOLEDO – SPAIN

CUSTOMER: ASLAND. CEMENT PLANT

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of :

- 1 Stacker
 - Capacity: 600 t/h
- 1 Scraper-Bridge type
 - Capacity: 500 t/h
 - Diameter: 90 m
 - Storage capacity: 40.000 m³
 - With cover

STORAGE AND BLENDING FOR CLAY, SILICA AND PIRYTE – MARIEL – CUBA

CUSTOMER: CUBA MARIEL

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of :

- 1 Stacker
 - Capacity: 950 t/h
- 1 Scraper-bridge type
 - Capacity: 700 t/h
 - Diameter: 86m
 - Storage capacity: 35.000 m³
 - With cover

STORAGE AND BLENDING FOR COAL – MIERES. ASTURIAS – SPAIN

CUSTOMER: HUNOSA – POWER PLANT

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of :

- 1 Stacker
 - Capacity: 400 t/h
- 1 Scraper-side type
 - Capacity: 160 t/h
 - Diameter: 80 m
 - Storage capacity: 30.000 m³
 - With cover

STORAGE AND BLENDING YARDS

CIRCULAR STOCKYARDS **AFTER YEAR 2000**

STORAGE AND BLENDING FOR LIMESTONE AND MARL – NIEBLA – SPAIN

CUSTOMER: ASLAND. CEMENT PLANT

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of :

- 1 Stacker
 - Capacity: 450 t/h
- 1 Scraper-bridge type
 - Capacity: 200 t/h
 - Diameter: 65 m
 - Storage capacity: 12.000 m³
 - With cover

STORAGE AND BLENDING FOR COKE AND COAL – ALMERIA– SPAIN

CUSTOMER: HOLCIM

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of :

- 1 Stacker
 - Capacity: 450 t/h
- 1 Scraper-lateral type
 - Capacity: 180 t/h
 - Diameter: 100 m
 - Storage capacity: 2x 45.000 m³
 - Total storage capacity 141.000 m³
- Truck unloading station
- Truck loading station
- Belt conveyors.

STORAGE AND BLENDING FOR COAL/ COKE – LA CORUÑA– SPAIN

CUSTOMER: UNIÓN FENOSA

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of :

- 1 Stacker
 - Capacity: 2000 t/h
- 1 Scraper-lateral VP2 type
 - Capacity: 1000 t/h
 - Diameter: 107 m
 - Storage capacity: 120.000 m³

STORAGE AND BLENDING YARDS

CIRCULAR STOCKYARD **AFTER YEAR 2000**

STORAGE AND BLENDING FOR COAL/COKE – EXTREMADURA– SPAIN

CUSTOMER: CEMENTOS BALBOA

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of :

- 1 Stacker
 - Capacity: 500 t/h
- 1 Scraper-lateral SK type
 - Capacity: 100 t/h
 - Diameter: 70 m
 - Storage capacity: 35.000 mT

STORAGE AND BLENDING FOR LIMESTONE – S.P. MACORIS– DOMINICAN REPUBLIC

CUSTOMER: CEMEX

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of :

- 1 Stacker
 - Capacity: 1300 t/h
- 1 Scraper
 - Capacity: 800 t/h
 - Diameter: 100 m
 - Storage capacity: 40.000 mT

STORAGE AND BLENDING FOR LIMESTONE – MERIDA– MEXICO

CUSTOMER: CEMEX

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of :

- 1 Stacker
 - Capacity: 565 t/h
- 1 Scraper
 - Capacity: 360 t/h
 - Diameter: 74 m

STORAGE AND BLENDING YARDS

CIRCULAR STOCKYARD **AFTER YEAR 2000**

STORAGE AND BLENDING FOR LIMESTONE – HIMACHAL – INDIA

CUSTOMER: JAYPEE GROUP

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of :

- 1 Stacker
 - Capacity: 2188 t/h
- 1 Scraper
 - Capacity: 1250 t/h
 - Diameter: 102m
 - With cover

STORAGE AND BLENDING FOR COAL– HIMACHAL – INDIA

CUSTOMER: JAYPEE GROUP

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of :

- 1 Stacker
 - Capacity: 250 t/h
- 1 Scraper
 - Capacity: 250 t/h
 - Diameter: 70m
 - With cover

STORAGE AND BLENDING FOR COAL/COKE – ANDORRA– SPAIN

CUSTOMER: CEMEX

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of :

- 1 Stacker
 - Capacity: 500 t/h
- 1 Scraper-lateral SK type
 - Capacity: 100 t/h
 - Diameter: 55 m

STORAGE AND BLENDING FOR COAL/COKE – ANDORRA– SPAIN

CUSTOMER: CEMEX

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of :

- 1 Stacker
 - Capacity: 600 t/h
- 1 Scraper
 - Capacity: 400 t/h
 - Diameter: 74 m
 - Storage capacity: 33.000 mT
 - With cover

STORAGE AND BLENDING YARDS

CIRCULAR STOCKYARD **AFTER YEAR 2000**

SLAG MILL PLANT – ABOÑO – SPAIN

CUSTOMER: TUDELA VEGUIN

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of :

- 1 Stacker
 - Capacity: 1000 t/h
- 1 Scraper
 - Capacity: 300 t/h
 - Diameter: 105 m
- Belt conveying system,
- EPC

COKE HANDLING INSTALLATION – BILBAO – SPAIN

CUSTOMER: PETRONOR

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of :

- 1 Stacker
 - Capacity: 450 t/h
- 1 Scraper
 - Capacity: 750 t/h
 - Diameter: 105 m
 - With cover
- Storage Capacity: 80.000 m³
- Belt conveying system,
- EPC

BELT CONVEYORS BEFORE YEAR 2000

Some conveying system are not mentioned because they are described within the chapters with regard to the longitudinal and circular Stockyards.

BELT CONVEYORS SYSTEM – AS PONTES POWER PLANT – SPAIN

CUSTOMER: ENDESA

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of a belt conveyor system with the following features:

- Material: Lignite
- Flow (t/h): 5.800 -10.800
- Wide (mm): 1.600 -1.800
- Length (m): 11.900
- Longest Conveyor (m): 3.000

BELT CONVEYORS SYSTEM - GIJÓN PORT – SPAIN

CUSTOMER: J.P. EL MUSEL

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of a belt conveyor system with the following features:

- Material: Coal / Iron ore
- Flow (t/h): 1.600-2.800
- Wide (mm): 1.200-1.400
- Length (m): 5.200
- Longest conveyor (m): 1.480

BELT CONVEYORS SYSTEM - GRAN CANARIA CEMENT PLANT – SPAIN

CUSTOMER: CEMENTOS ESPECIALES

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of a belt conveyor system with the following features:

- Material: Clinker
- Flow (t/h): 500
- Wide (mm): 1.000
- Length (m): 1.500
- Longest Conveyor (m): 410

BELT CONVEYORS SYSTEM - GIJÓN MINE– SPAIN

CUSTOMER: MINA LA CAMOCHA

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of a belt conveyor system with the following features:

- Material: Coal
- Flow (t/h): 650
- Wide (mm): 1.000
- Length (m): 1.300
- Longest Conveyor (m): 410

BELT CONVEYORS *BEFORE YEAR 2000*

BELT CONVEYORS SYSTEM - ASTURIAN MINE – SPAIN

CUSTOMER: HUNOSA. SANTA BÁRBARA

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of a belt conveyor system with the following features:

- Material: Coal
- Flow (t/h): 600
- Wide (mm): 1.000
- Length (m): 2.900
- Longest Conveyor (m): 630

BELT CONVEYORS SYSTEM - KRAKATAU – INDONESIA

CUSTOMER: VOEST ALPINE

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of a belt conveyor system with the following features:

- Material: Iron ore
- Flow (t/h): 800 – 1.500
- Wide (mm): 800-1.400
- Length (m): 3.100
- Longest Conveyor (m): 290

BELT CONVEYORS SYSTEM - ASTURIAS MINE – SPAIN

CUSTOMER: HUNOSA. LAVADERO SOVILLA

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of a belt conveyor system with the following features:

- Material: Coal
- Flow (t/h): 400
- Wide (mm): 1.000
- Length (m): 1.100
- Longest Conveyor (m): 300

BELT CONVEYORS SYSTEM - NARCEA GOLD MINE – SPAIN

CUSTOMER: FLUOR DANIEL

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of a belt conveyor system with the following features:

- Material: Gold Ore
- Flow (t/h): 400
- Wide (mm): 1.000
- Length (m): 1.100
- Longest Conveyor (m): 130

BELT CONVEYORS *BEFORE YEAR 2000*

BELT CONVEYORS SYSTEM - JORF LASFAR POWER PLANT- MOROCCO

CUSTOMER: IMENOSA

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of a belt conveyor system with the following features:

- Material: Ashes
- Flow (t/h): 800
- Wide (mm): 1.200
- Length (m): 1.300
- Longest Conveyor (m): 360

BELT CONVEYORS AFTER YEAR 2000

SNAKE SANDWICH CONVEYOR - SPAIN

CUSTOMER: ACERALIA

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of a belt conveyor system with the following features:

- Material: raw coal
- Flow (t/h): 250
- Wide (mm): 1000
- Height (m): 37
- Slope (°): 80
- First installed in Europe

BELT CONVEYORS SYSTEM – PUERTO DE LA CORUÑA- SPAIN

CUSTOMER: UNION FENOSA

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of a belt conveyor system with the following features:

- Material: Coal / cereals
- Flow (t/h): 2000
- Wide (mm): 1400
- Length (m): 600
- Longest Conveyor (m): 230

BELT CONVEYORS SYSTEM – PUERTO DE BILBAO- SPAIN

CUSTOMER: ATLANTICA DE GRANELES

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of a belt conveyor system with the following features:

- Material: Slag
- Flow (t/h): 1000
- Wide (mm): 1200

BELT CONVEYORS SYSTEM – PUERTO DE SANTANDER- SPAIN

CUSTOMER: DRAGADOS

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of a belt conveyor system with the following features:

- Material: Coal / Coke/Clinker
- Flow (t/h): 3000 / 1500
- Wide (mm): 2000 /1200
- Length (m): 2.5 km
- Longest Conveyor (m): 600

BELT CONVEYORS AFTER YEAR 2000

BELT CONVEYORS SYSTEM – MAÁDEN – SAUDI ARABIA

CUSTOMER: DRAGADOS

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of a belt conveyor system with the following features:

- Material: Coal / Coke/Clinker
- Flow (t/h): 2500
- Wide (mm): 1800
- Length (m): 4 km
- Longest Conveyor (m): 2 Km

BELT CONVEYORS SYSTEM – JORF LASFAR – MOROCCO

CUSTOMER: OCP

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of a belt conveyor system with the following features:

- Material: PHOSPATE
- Flow (t/h): 1500
- Wide (mm): 1200
- Length (m): 3.5 km
- Longest Conveyor (m): 1.2 Km

BELT CONVEYORS SYSTEM – TOLEDO – SPAIN

CUSTOMER: CEMENGAL

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of a belt conveyor system with the following features:

- Material: Clinker
- Flow (t/h): 500
- Wide (mm): 1000
- Length (m): 1.5 km

BELT CONVEYORS SYSTEM – TARRAGONA – SPAIN

CUSTOMER: CEMENGAL

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of a belt conveyor system with the following features:

- Material: Clinker
- Flow (t/h): 400
- Wide (mm): 800
- Length (m): 1.2 km

BELT CONVEYORS *AFTER YEAR 2000*

BELT CONVEYORS SYSTEM – SETTE– FRANCE

CUSTOMER: CEMENGAL

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of a belt conveyor system with the following features:

- Material: Clinker
- Flow (t/h): 500
- Wide (mm): 1000
- Length (m): 0.8 km

BELT CONVEYORS SYSTEM – CARTAGENA – SPAIN

CUSTOMER: CEMEX

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of a belt conveyor system with the following features:

- Material: Clinker
- Flow (t/h): 800
- Wide (mm): 1200
- Length (m): 2 km

BELT CONVEYORS SYSTEM – ANDINA – CHILE

CUSTOMER: SUEZ ENERGY

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of a belt conveyor system with the following features:

- Material: Coal / coke wooden chips
- Flow (t/h): 1200
- Wide (mm): 1400/800
- Length (m): 5 km

BELT CONVEYORS SYSTEM– CORUÑA– SPAIN

CUSTOMER: UNION FENOSA

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of a belt conveyor system with the following features:

- Material: Coal / coke
- Flow (t/h): 2000
- Wide (mm): 1400
- Length (m): 2 km

BELT CONVEYORS *AFTER YEAR 2000*

BELT CONVEYORS SYSTEM– MEIRAMA– SPAIN

CUSTOMER: UNION FENOSA

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of a belt conveyor system with the following features:

- Material: Coal / coke
- Flow (t/h): 800
- Wide (mm): 1000
- Length (m): 2.2 km

BELT CONVEYORS SYSTEM– LA ROBLA– SPAIN

CUSTOMER: UNION FENOSA

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of a belt conveyor system with the following features:

- Material: Coal / coke
- Flow (t/h): 600
- Wide (mm): 1000
- Length (m): 1.5 km

BELT CONVEYORS SYSTEM– MADRID– SPAIN

CUSTOMER: MHI JAPAN

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of a belt conveyor system with the following features:

- Material: Excavated soil
 - Flow (t/h): 1800
- ON BOARD TBM Machine.

BELT CONVEYORS SYSTEM– SOTO POWER STATION– SPAIN

CUSTOMER: HC - COBRA

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of a belt conveyor system with the following features:

- Material: Gypsum

BELT CONVEYORS SYSTEM– ABOÑO POWER STATION– SPAIN

CUSTOMER: HC - COBRA

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of a belt conveyor system with the following features:

- Material: Gypsum

BELT CONVEYORS AFTER YEAR 2000

BELT CONVEYORS SYSTEM– SINES POWER STATION– PORTUGAL

CUSTOMER: EDP - COBRA

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of a belt conveyor system with the following features:

- Material: Limestone / gypsum

BELT CONVEYORS SYSTEM– PUENTE NUEVO – SPAIN

CUSTOMER: ENEL

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of a belt conveyor system with the following features:

- Material: Limestone / gypsum
- Flow (t/h): 500
- Wide (mm): 800
- Length (m): 0.8 km

BELT CONVEYORS SYSTEM– PUENTE NUEVO – SPAIN

CUSTOMER: ENEL

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of a belt conveyor system with the following features:

- Material: Limestone / gypsum
- Flow (t/h): up to 1000
- Wide (mm): up to 1000
- Length (m): 0.8 km

BELT CONVEYORS SYSTEM– JORF LASFAR – MOROCCO

CUSTOMER: BUNGE

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of a belt conveyor system with the following features:

- Material: MAP, DAP, GTSP
- Flow (t/h): 500
- Wide (mm): 2000/800
- Length (m): 1.5 km

BELT CONVEYORS SYSTEM– JORF LASFAR – MOROCCO

CUSTOMER: OCP

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of a belt conveyor system with the following features:

- Material: Phosphate
- Flow (t/h): 1500
- Wide (mm): 1200
- Length (m): 4 km

BELT CONVEYORS *AFTER YEAR 2000*

BELT CONVEYORS SYSTEM– SAGUNTO – SPAIN

CUSTOMER: BP OIL

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of a belt conveyor system with the following features:

- Material: Coke
- Flow (t/h): 500
- Wide (mm): diameter 300 mm
- Length (m): 0.5 km
- Conventional conveyors, 1.5 km

BELT CONVEYORS SYSTEM– VALENCIA – SPAIN

CUSTOMER: ASLAND LAFARGE

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of a belt conveyor system with the following features:

- Material: Coke
- Flow (t/h): 500
- Wide (mm): 1000
- Length (m): 0.7 km

BELT CONVEYORS SYSTEM– MA´ADEN – SAUDI ARABIA

CUSTOMER: LITWIN

SCOPE OF SUPPLY: Engineering, manufacture, assembly and commissioning of a belt conveyor system with the following features:

- Material: Phospate
- Flow (t/h): 3000
- Wide (mm): 2.000
- Length (m): 4 km

VARIOUS INSTALLATIONS *AFTER YEAR 2000*

ECOLOGICAL HOPPERS- SANTANDER PORT TERMINAL - SPAIN

CUSTOMER: SPL
ENGINEERING: PHB Weserhütte, S.A
SCOPE OF SUPPLY: Three Ecological Hoppers, incoming capacity 3000 t/h, 300 m³ per unit, self-propelled.

ECOLOGICAL HOPPERS- BILBAO PORT TERMINAL - SPAIN

CUSTOMER: ITALCEMENTI
ENGINEERING: PHB Weserhütte, S.A
SCOPE OF SUPPLY: Three Ecological Hoppers, incoming capacity 1000 t/h, 75 m³ per unit, self-propelled.

ECOLOGICAL HOPPERS- CARBONERAS PORT TERMINAL - SPAIN

CUSTOMER: HOLCIM
ENGINEERING: PHB Weserhütte, S.A
SCOPE OF SUPPLY: Three Ecological Hoppers, incoming capacity 800 t/h, 75 m³ per unit, self-propelled.

ECOLOGICAL HOPPERS- TERNIUM - ARGENTINA

CUSTOMER: HOLCIM
ENGINEERING: PHB Weserhütte, S.A
SCOPE OF SUPPLY: Ecological Hopper, incoming 150 m³ per unit, self-propelled.

WAGON UNLOADING STATIONS- LA ROBLA - SPAIN

CUSTOMER: UNION FENOSA
ENGINEERING: PHB Weserhütte, S.A
SCOPE OF SUPPLY: Automatic, unloading capacity 800 t/h.

WAGON UNLOADING STATIONS- MEIRAMA - SPAIN

CUSTOMER: UNION FENOSA
ENGINEERING: PHB Weserhütte, S.A
SCOPE OF SUPPLY: Automatic, unloading capacity 600 t/h.