



Corporate presentation
Delivering energy to the world

CENERGY HOLDINGS

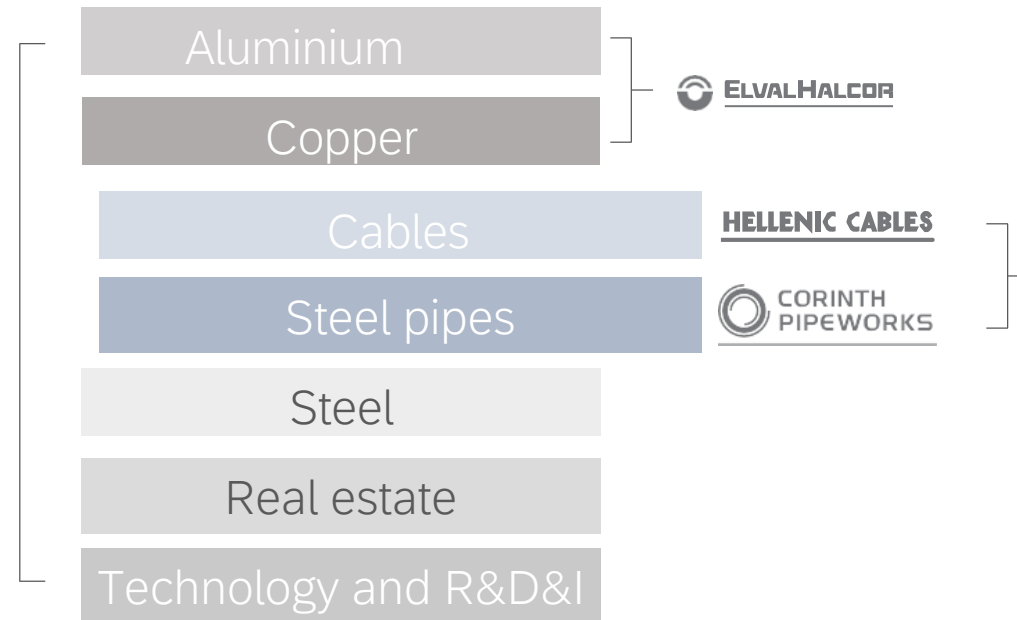
Focus on Energy

VIOHALCO

EUR **3,9** billion Revenue EUR **295** million a-EBITDA

Euronext Brussels and Athens Exchange:
VIO, based in Brussels, Belgium, is a holding company of various metal processing companies in Europe.

With production facilities in Greece, Bulgaria, Romania, Russia, FYROM and the United Kingdom, Viohalco's subsidiaries specialise in the manufacture of aluminium, copper and cables, steel and steel pipe products. Viohalco and its companies are also active in real estate development projects.



CENERGY
H O L D I N G S

EUR **908** million Revenue EUR **102** million a-EBITDA

Euronext Brussels and Athens Exchange:
CEN, based in Brussels, Belgium, is a holding company focusing in energy.

Its companies are having a history of 70 years, with 5 production facilities in 3 countries and providing services in 70 countries and

At a **GLANCE**



More than
50
Years of
experience



Sales in
45
countries
Leader in energy



Tier 1
supplier

> 22,000 km pipelines
> 3,000 km offshore pipelines
> 1,000 km CO₂ pipelines



Investments
350
Million €

* 2002-2020



Energy Transition

Enabling the future

Gas Leading position

Natural gas is often considered as the alternative to clean energy, producing around half the carbon dioxide (CO₂) and just one tenth of the air pollutants of coal when burnt to generate electricity.

It is a versatile energy sources, helping to meet the growing demand for energy globally and able to partner with renewable energy sources.

We are considered one of the **top manufacturers for gas pipelines** worldwide

Hydrogen Technology & Innovation

Hydrogen is considered the cleanest fuel of the future. The Company, in collaboration with companies and laboratories abroad, is a **pioneer in the research and development** of solutions for the certification of steel pipes for the **safe transportation of hydrogen** as a mixture with natural gas or in pure form.

The object of investigation is the transportation through a new or existing networks of high pressure steel pipes and the subsequent **certification** of the network for the transportation of H₂

European Clean
Hydrogen Alliance



CCS Carbon Capture & Storage Long experience

Carbon capture and storage technology prevents the release of carbon dioxide into the atmosphere resulting from the combustion of fossil fuels or industrial processes.

We have successfully delivered more than 1,150km of CO₂ transmission pipelines and are ready to face any new challenge

Wind

Today, wind energy offers a technologically mature, economically competitive and environmentally friendly energy choice. It is an inexhaustible source of energy, without an environmental burden. The wind energy sector is one of the fastest growing energy technologies, especially in offshore wind farms and dynamically in floating wind farms.

The company is evaluating the entrance in this dynamic sector

 CORINTH
PIPEWORKS
Member of CENERGY HOLDINGS

Megatrends

Adapting the
Challenges

Climate change



100% electricity from RES



Circular economy projects



52% Recycled water



92% Recycled waste



758 hours environmental protection training

Digitalization



Digital transformation

Optimization of energy and materials consumption

HR digitalization

QM customized platform

HSE digital platform

Energy efficiency



2% reduced energy consumption



Energy saving projects



Energy Mastering Awards 2019



ISO 50001 Energy management system

Environment Social Governance

ESG risks mitigation is a priority for the company's responsible operation

Environment



- Continuous efforts for **energy efficiency**
- Steel mill slag used a heavy weight aggregate in concrete coating in steel pipes. **Circular economy** in action
- Continuous improvement of our environmental and carbon footprint
- **Waste minimization** regimes in place
- Applying **responsible practices** and preventive actions

Social

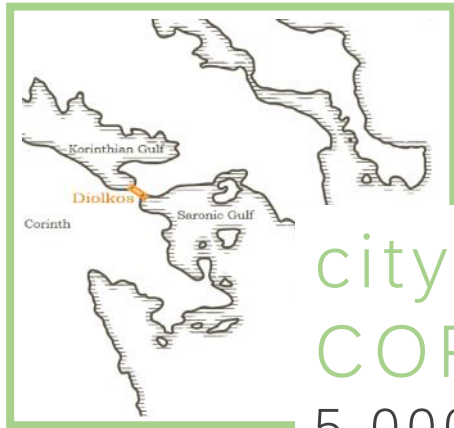


- Providing a **safe working** environment is of critical importance.
- Protecting workforce during the **pandemic crisis** a top priority
- Support **local communities**
- **Empowering our people** through continuous education programs
- **Continuous improvement** in material issues by investing human and capital resources

Governance



- Continuous, on line **monitoring and control** of environmental parameters
- **Data privacy and protection**
- Code of Conduct incorporating **business ethics** in company's' operation
- Track record highlighting actions for **continuous improvement**

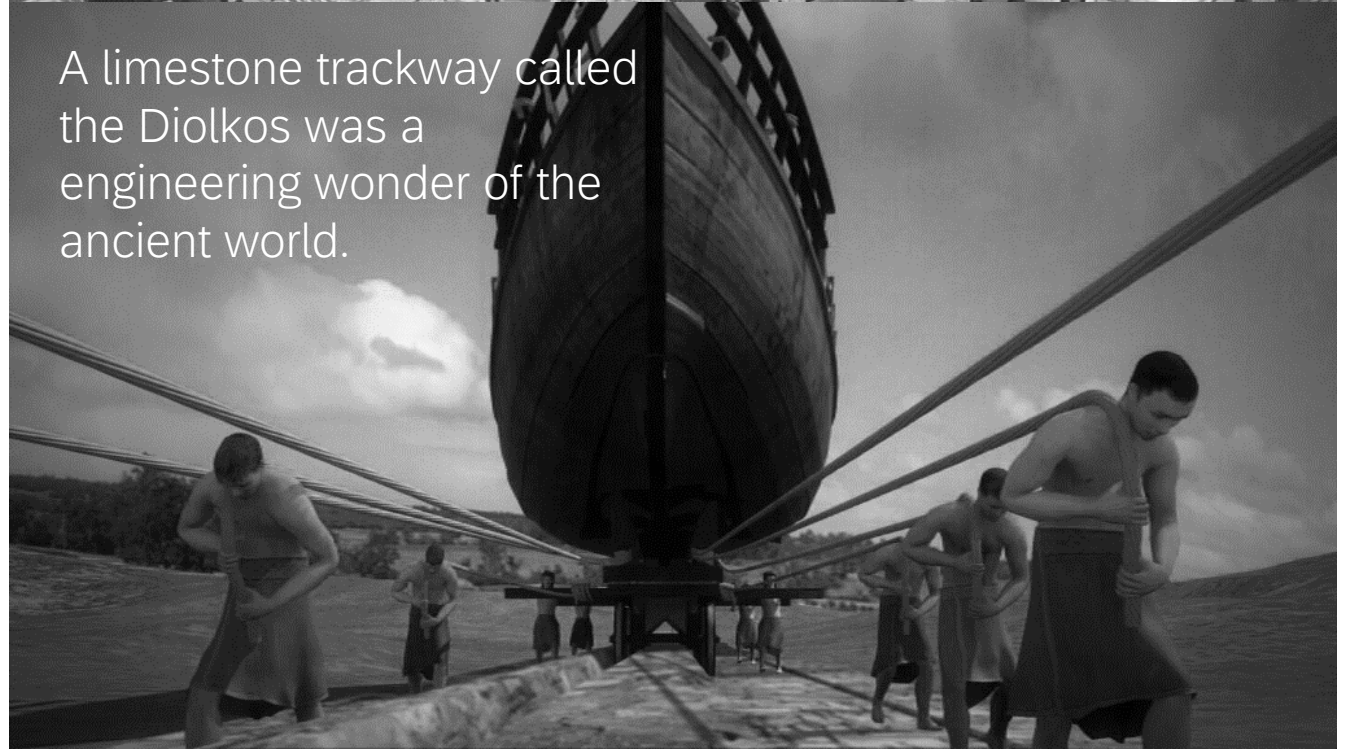


city of
CORINTH
5.000 years
of history

Ancient Corinth



A limestone trackway called the Diolkos was an engineering wonder of the ancient world.



HISTORY

The implementation of strategic investments, combined with the participation in major and demanding projects, firmly establish the Company internationally. Corinth Pipeworks Holdings SA is absorbed by Cenergy Holdings SA.

Foundation

1960's

Going International

1970's

Growth

1980's

International Recognition

1990's

Investments are made to upgrade production processes and the first orders from North America, Asia, Europe, North Africa and the Middle East are undertaken.

Invest in the Future

2000's

Corinth Pipeworks establishes new, state-of-the-art production facilities in Thisvi, Viotia. The Company also successfully implements a business process re-engineering program and publishes its first Sustainability Report.

Established Tier 1 supplier

2010's

The company is ready for the shift, based on its long experience in gas fuels and CCS and investing in the main pillars of the energy transition (hydrogen & wind)

Energy Transition Enabler

2020's

Our plant



Thisvi plant, Viotia
125km from Athens



Headquarters
Marousi, Athens





Port
Exclusive use

All you need in
One location

Coating Solutions

External	Internal	CWC
8" – 100" 4 1/2" – 48"	8 5/8" – 56"	8 5/8" – 40"

Pipe Mills

HFIW 8 5/8" – 26" 400 KMT/year	LSAW 16" – 56" 400 KMT/year
HFIW 2" – 7 5/8" 150 KMT/year	HSAW 24" – 100" 375 KMT/year

Supporting/Downstream

- Port facilities (exclusive use)
- Double jointing facility
- Weld on Connectors: 5,000Tn/shift/year
- Laboratory (+ sour service conditions)
- Storage areas

Our business

Gas & liquid fuel



Onshore pipelines



Offshore pipelines



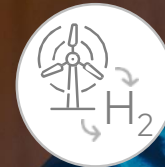
Drilling & extraction

Construction



Hollow sections

Hydrogen



Hydrogen certified pipelines

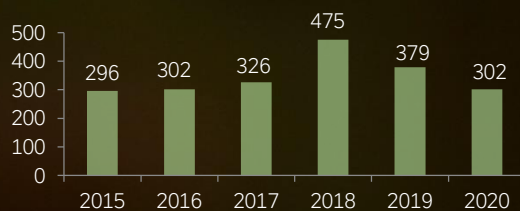
CCS

Carbon Capture Storage

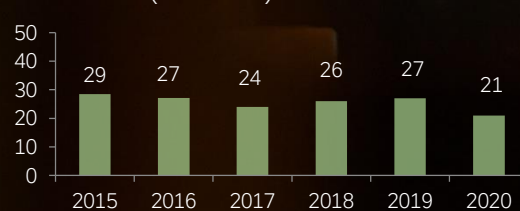


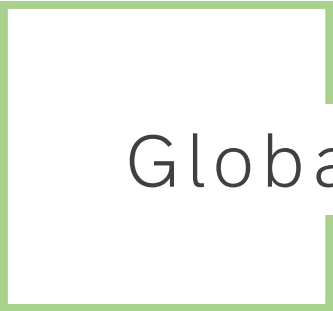
CO₂ pipelines

Revenue (million €)

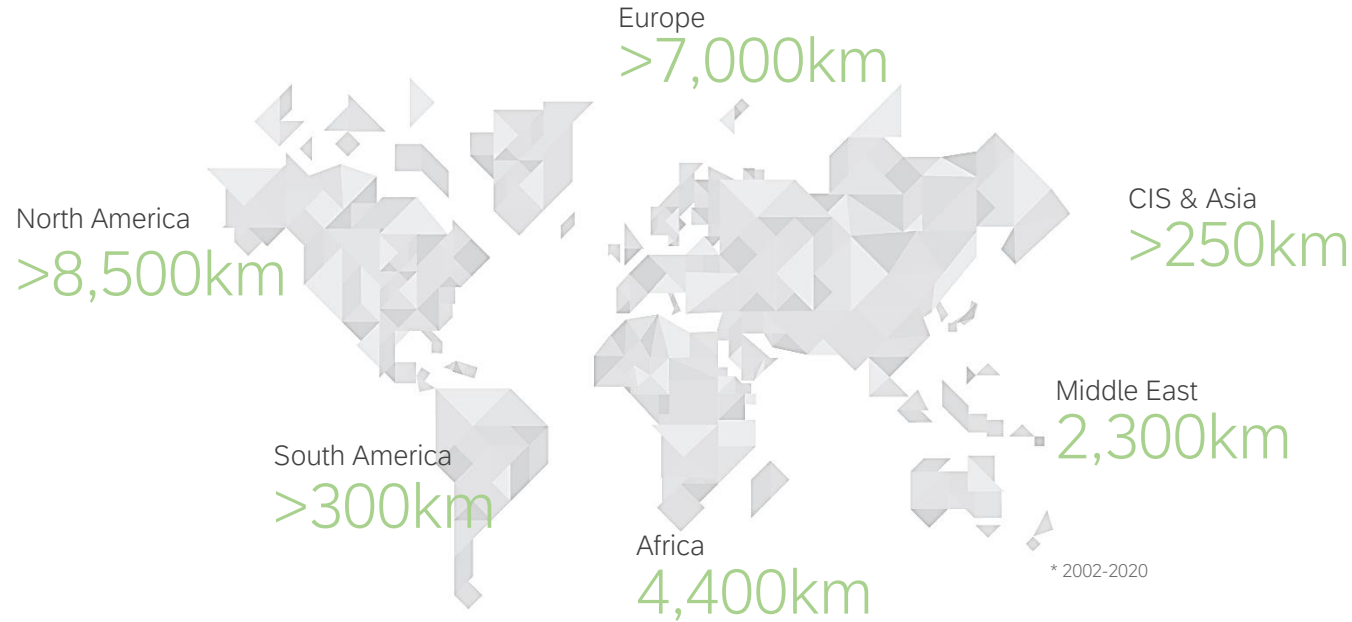


EBITDA (million €)





Global presence





> Karish gas export pipeline
SE Mediterranean
Gas, Offshore deep (max 1.750m)
100 Km



> Reel lay projects
North & Norwegian sea
Gas & carrier, Offshore reel lay
>800km



> Baltic Interconnectors
& Polish network
Denmark, Finland,
Estonia, Poland
Gas >450 Km



> GoM offshore projects
Gulf of Mexico
Gas & carrier, Offshore
230 Km



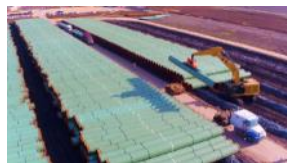
> Trans Adriatic Pipeline
Greece, Gas, Onshore gas
495 Km



> Snam projects
Italy, Gas, onshore
>1.000km

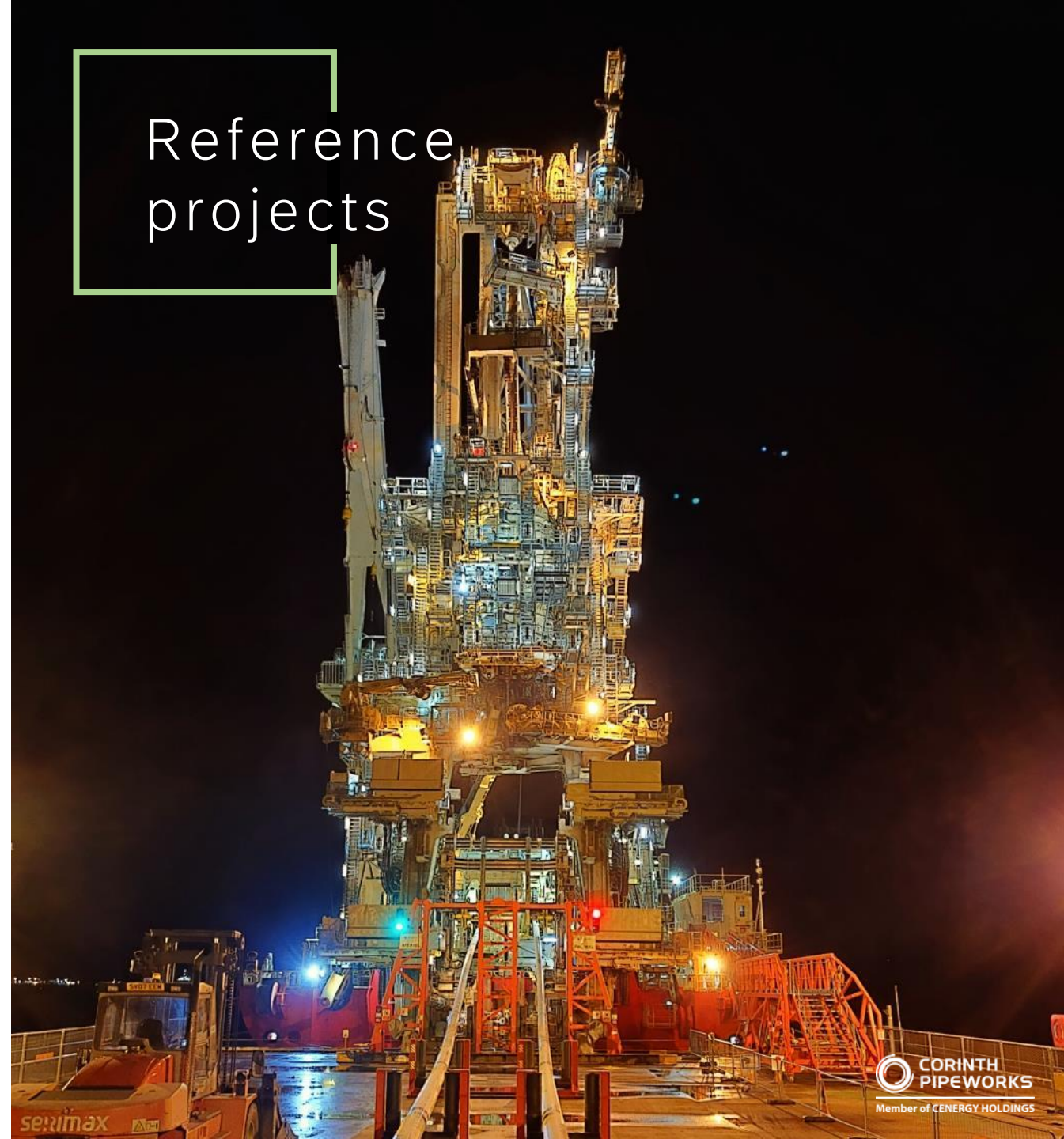


> Plains all American
USA, Onshore oil & gas
> 2000 Km



> Energy Transfer
USA, Onshore gas
> 1000 Km

Reference projects



Latest Awards



Award of Colibri with ultra-long pipes
Offshore pipeline in Trinidad & Tobago
92km HFIW X65 16"x18,3mm Coating: FBE



2nd award from Energinet (LOT3)
142km LSAW/HS AW L485 32"-36"-40" Coating: 3LPE/Epoxy



Awarded King's Quay project in the Gulf of Mexico
Reel lay using HFW pipes in max depth 1,250m



Offshore presence in the South East Med region
50km of 36" LSAW linepipe also includes
anti-corrosion coating and concrete weight coating
(CWC)



Awarded the MJ (D55) project in block KG
D6 Offshore, eastern India.
8,8km SAWL 24"x 25,4-28,58mm, Offshore, Coating: PE



Awarded for supply of Carrier pipe for the HOD
Development Project
12,3km HFIW DNV450PD 16"x19,1mm Coating: PP

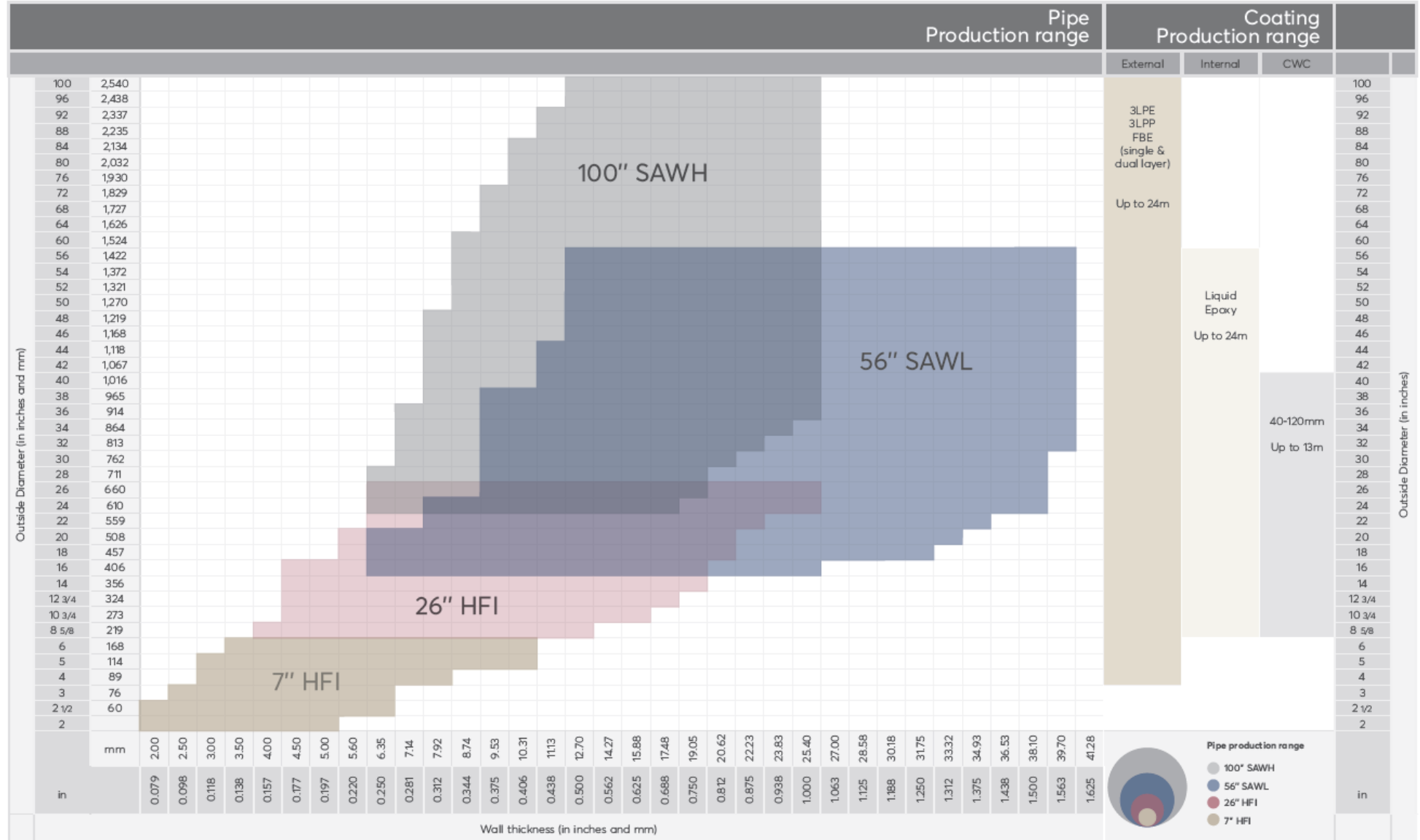


Awarded the supply of Los Bronces slurry pipeline in
Chile, at 3,500m height
35km SAWL 24"x 14,27-31,75mm Coating: PE

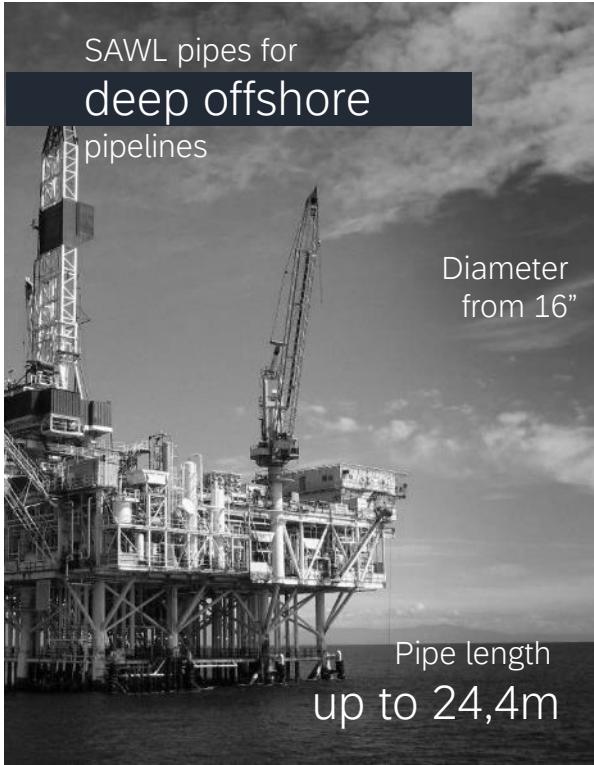


93km of gas pipelines
HFIW & SAWL Pipelines Coating: PE/EPOXY

Production range



Our Advantages



SAWL pipes for deep offshore pipelines

Diameter from 16"

Pipe length up to 24,4m



Demanding applications

- > Reel-laying
- > CO₂ pipelines
- > Sour service

Pipe length up to 24,4m

Copyright Writershall



One of the **widest production ranges** in the world

- 100" SAWH
- 56" SAWL
- 26" HFIW
- 8" HFIW

Copyright T4



Integrated services

- Coating (Int-Ext)
- Concrete Weight Coating CWC
- Double jointing
- Project management
- Logistics etc.

Port facilities

Exclusive use

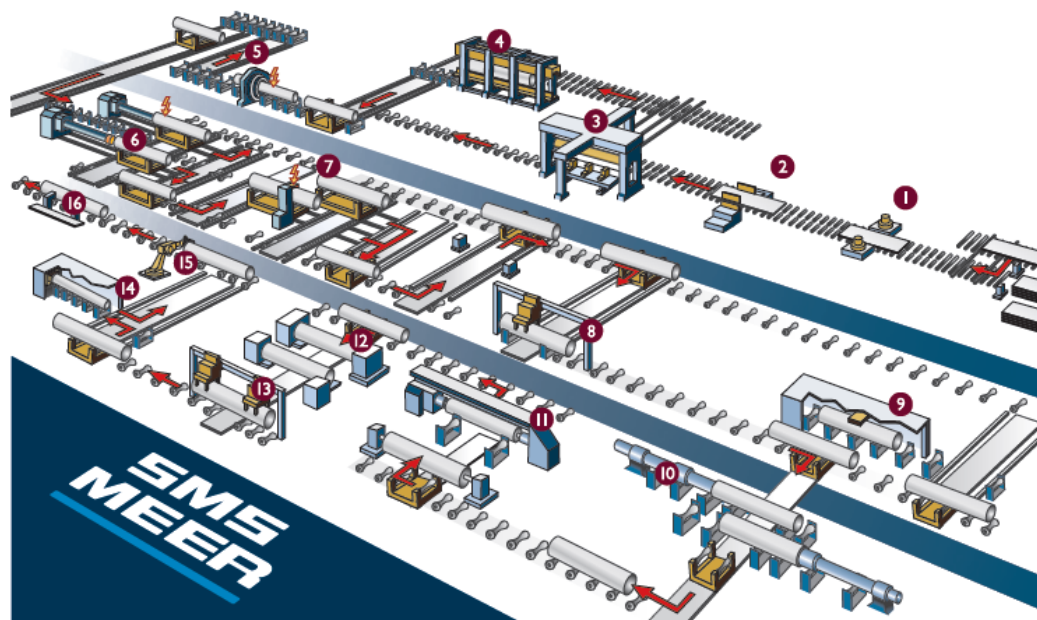


Pipe mills

LSAW 56"

Production capabilities

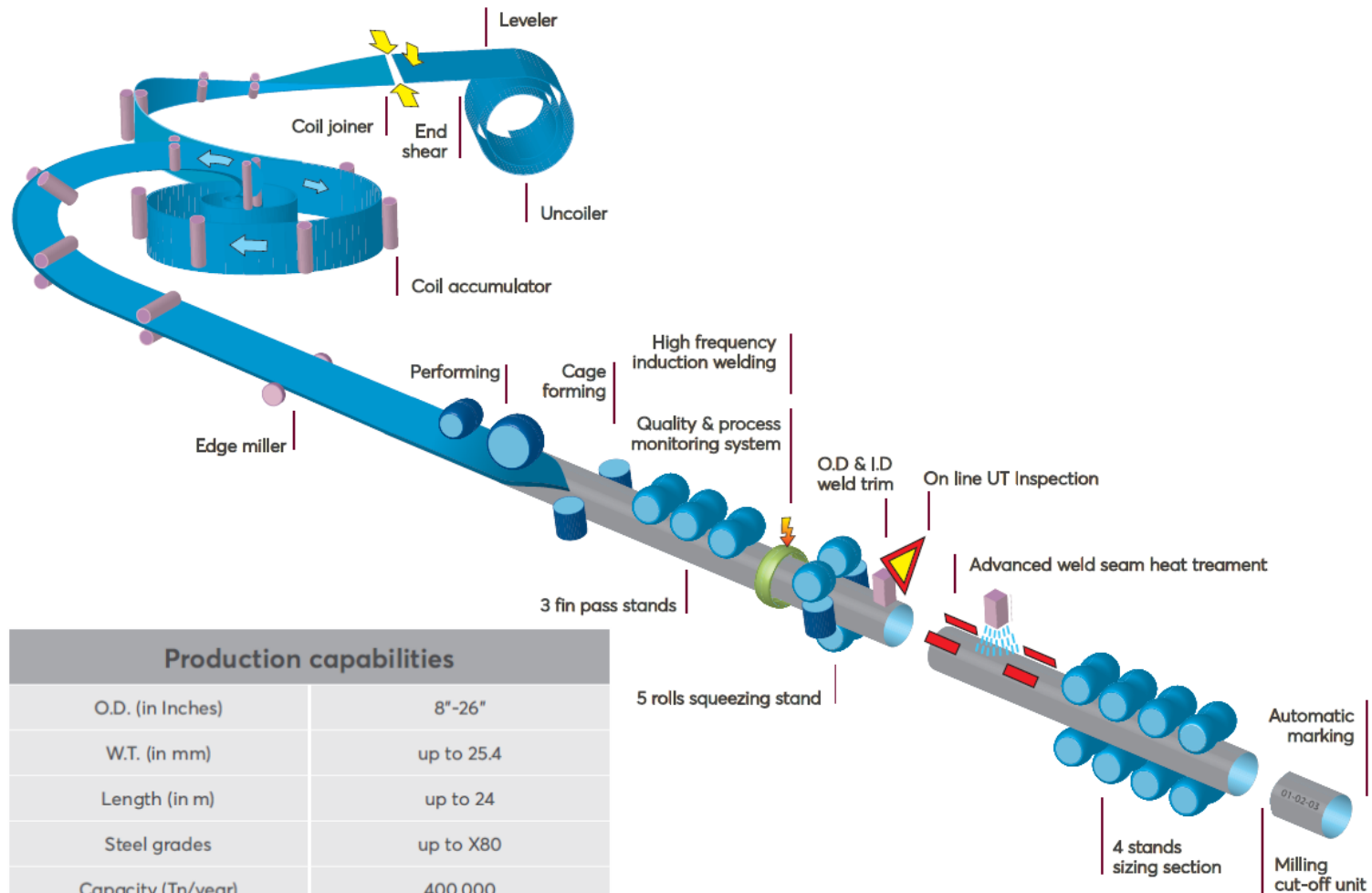
O.D. (in Inches)	16"-56"
W.T. (in mm)	up to 40
Length (in m)	up to 18.3
Steel grades	up to X100
Capacity (Tn/year)	400,000
Standards & specifications	API 5L, EN ISO 3183, DNVGL ST F101, EN 10219



- 1 Plate edge milling
- 2 Crimping of plate edges
- 3 JCO-press
- 4 Finishing press
- 5 Tack welding (temporary seam)
- 6 Inside welding (ID)
- 7 Outside welding (OD)
- 8 Ultrasonic testing I
- 9 X-ray testing I
- 10 Mechanical expansion
- 11 Hydrostatic pipe testing
- 12 Pipe end bevelling
- 13 Ultrasonic testing II
- 14 X-ray testing II

Pipe mills

ERW/HFI 26"

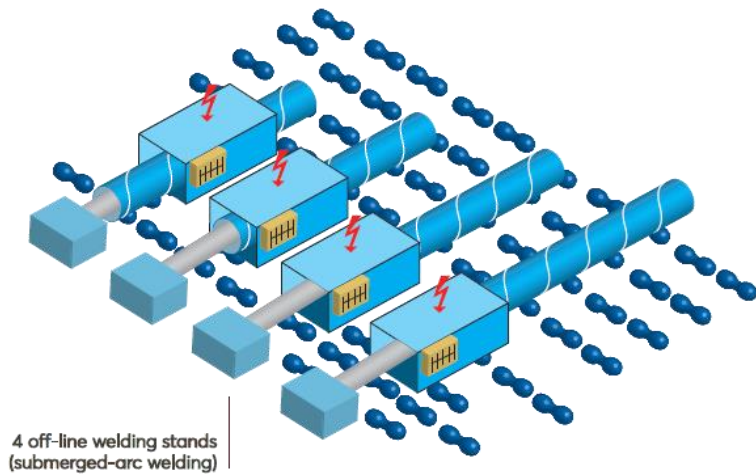
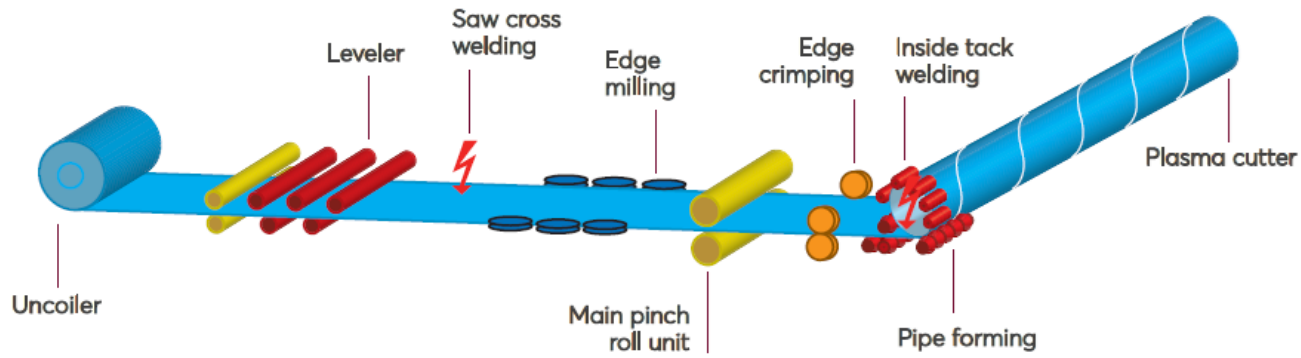


Production capabilities

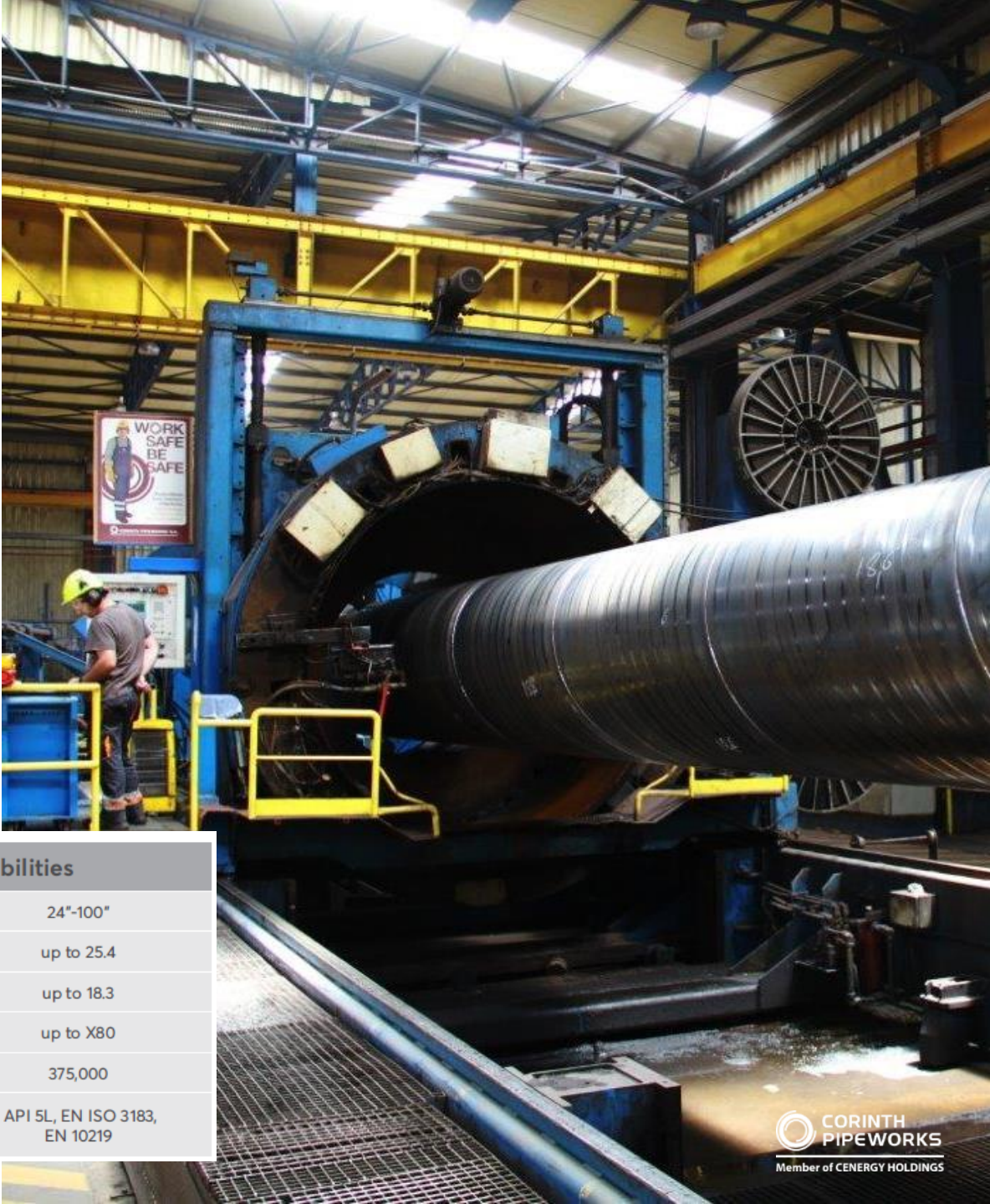
O.D. (in Inches)	8"-26"
W.T. (in mm)	up to 25.4
Length (in m)	up to 24
Steel grades	up to X80
Capacity (Tn/year)	400,000
Standards & specifications	API 5L, API 5CT, EN ISO 3183, DNVGL ST F101, EN 10219



Pipe mills HSAW 100"



Production capabilities	
O.D. (in Inches)	24"-100"
W.T. (in mm)	up to 25.4
Length (in m)	up to 18.3
Steel grades	up to X80
Capacity (Tn/year)	375,000
Standards & specifications	API 5L, EN ISO 3183, EN 10219



Coating mills

Coating and lining facilities			
	External coating		Internal coating
	TCP 48	TCP 100	TLP 56
Outside diameter (inch)	4 1/2"-48"	8 5/8"-100"	8 5/8"-56"
Max. Length (m)	18.3 m	24 m	24 m
Types	3LPE, 3LPP, FBE (single or dual layer)		Liquid epoxy
Capacity (per year)	7,000,000 m ²		2,000,000 m ²

Coating application process					
Specification	External coating				Internal coating
	3LPE	3LPP	FBE	FBE/ARO	EPOXY
ISO 21809-1	•	•			
ISO 21809-2			•		
DIN 30670	•				
DIN 30678		•			
DNVGL-RP-F106	•	•	•		
NFA 49-710	•				
NFA 49-711		•			
SHELL DEP	•	•	•	•	•
CAN CSA Z245.20-21	•		•	•	
API RP 5L2					•
ISO 15741					•
AWWA C210					•
EN 10301					•

Concrete weight coating	
Application method:	Compression
Outside diameter (inch)	8 5/8"-40"
Max. length (m)	13
Concrete thickness (mm)	40-120
Specification	ISO 21809-5

External
3LPE
3LPP
FBE
FBE/ARO
CWC

Internal
Epoxy



Strategic cooperation with steel producers

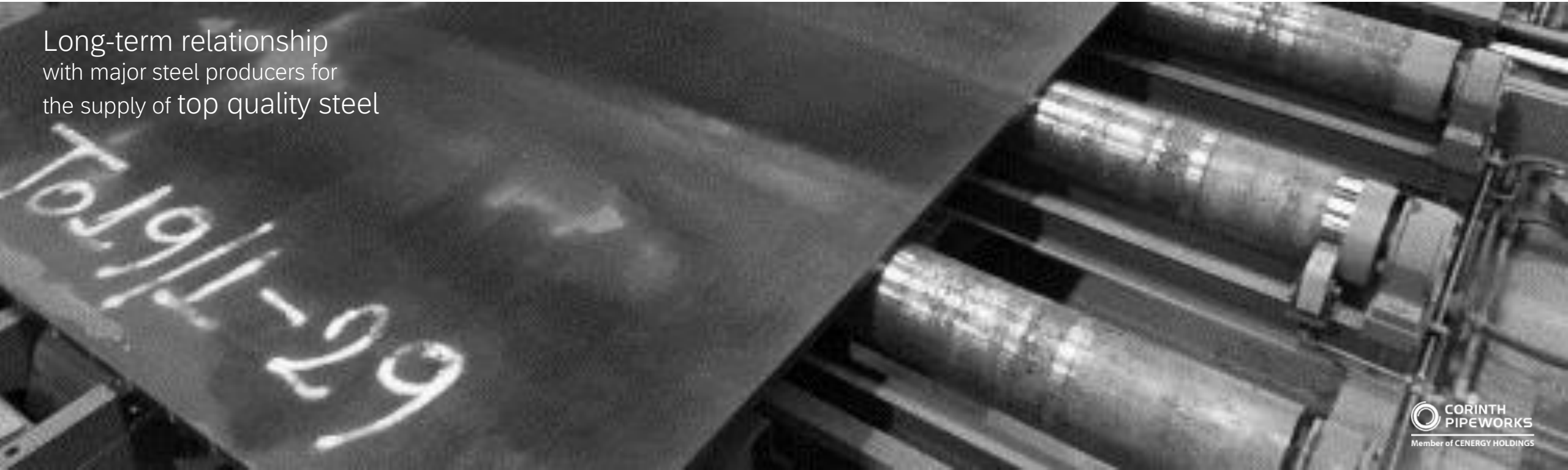



DILLINGER HÜTTE

voestalpine



Long-term relationship
with major steel producers for
the supply of top quality steel





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