Corporate presentation 2024

CENERGY HOLDINGS

Focus on Energy

VIOHALCO

Revenue in EUR Billion	a-EBITDA in EUR million
6.3	537
2023	2023

- Aluminium
- Copper

ELVALHALCOR

- Cables
- Steel pipes

HELLENIC CABLES
Member of CENERGY HOLDINGS
CORINTH PIPEWORKS

- Steel
- Real estate
- Technology and R&D&I

CENERGY HOLDINGS

Revenue in EUR Billion	a-EBITDA in EUR million
1.63	214
2023	2023

At a GLANCE

More than
50
Years of experience

Sales in
55
countries
Leader in energy

Tier 1 supplier

> 24,000 km pipelines
> 4,000 km offshore pipelines
> 50 km pipelines for CCS projects
> 500 Km Hydrogen certified

* 2002-2022

Energy Transition

Enabling the future

Gas

Leading position

Natural gas is considered the transitional fuel to clean energy, producing around half the carbon dioxide (CO_2) 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. We are the first pipe manufacturer to certify pipes for the safe transportation of hydrogen in high pressure network up to 100% of hydrogen. We have executed projects in Greece, Italy, Poland, Netherlands & Australia with more than 500km

European Clean Hydrogen Alliance

Hydrogen Europe

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 executed projects in the USA and the Netherlands, the first CCS offshore project utilizing welded pipes

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

Sustainability Strategy

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

> Responsible supply Ecovadis Silver Award

SILVER 2023 ecovadis Sustainability Rating

Top 15% of more than 100,000 accessed companies

> Climate Actions

CDP DRIVING SUSTAINABLE ECONOMIES — TCFD TASK FORCE ON CLIMATE-RELATED FINANCIAL DISCLOSURES

> Digitalizing to create value in Sustainability

sphera

Scope 1 & 2 Emissions	50% reduction by 2030
Scope 3 Emissions	25% reduction by 2030
RES Electricity	80 % (2025) 100% (2030)
Standardisation	ISO 14001: 2015 ISO 12064: 2018 ISO 50001:2018
EPD	Certify Environmental Product Declarations for all major product categories

Our pillars

Strategy

- Products to enable energy transition

Environment

- Energy efficiency
- GHG Emissions
- Water & Waste management

Social

- Health & Safety Action plan
- Responsible sourcing
- Training and development of employees
- Well-being

Governance

- Digitalization of sustainability data collection
- Whistleblowing mechanism
- Documented Policies

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Developing the infrastructure of the low carbon energy future

CCS (Carbon Capture & Storage)

Our technologically advanced solution for hydrogen certified pipes, is highlighted with the utilization of a new, state-of-the-art, hydrogen testing laboratory.

SNAM: They are the first, newly manufactured, pipes certified to transport up to 100% hydrogen for a high-pressure transmission gas pipeline in Europe.

Country: Italia

DESFA: West Macedonia pipeline is part of the European Hydrogen Backbone, Europe's hydrogen infrastructure needed to achieve its climate and energy objectives.

Country: Greece

GAZSYSTEM: a high-pressure gas pipeline from Gustorzyn to Wronow.

Country: Poland

JEMENA: Jemena has selected to utilize Corinth's solution of high-grade steel pipes for the future transmission of up to 100% hydrogen.

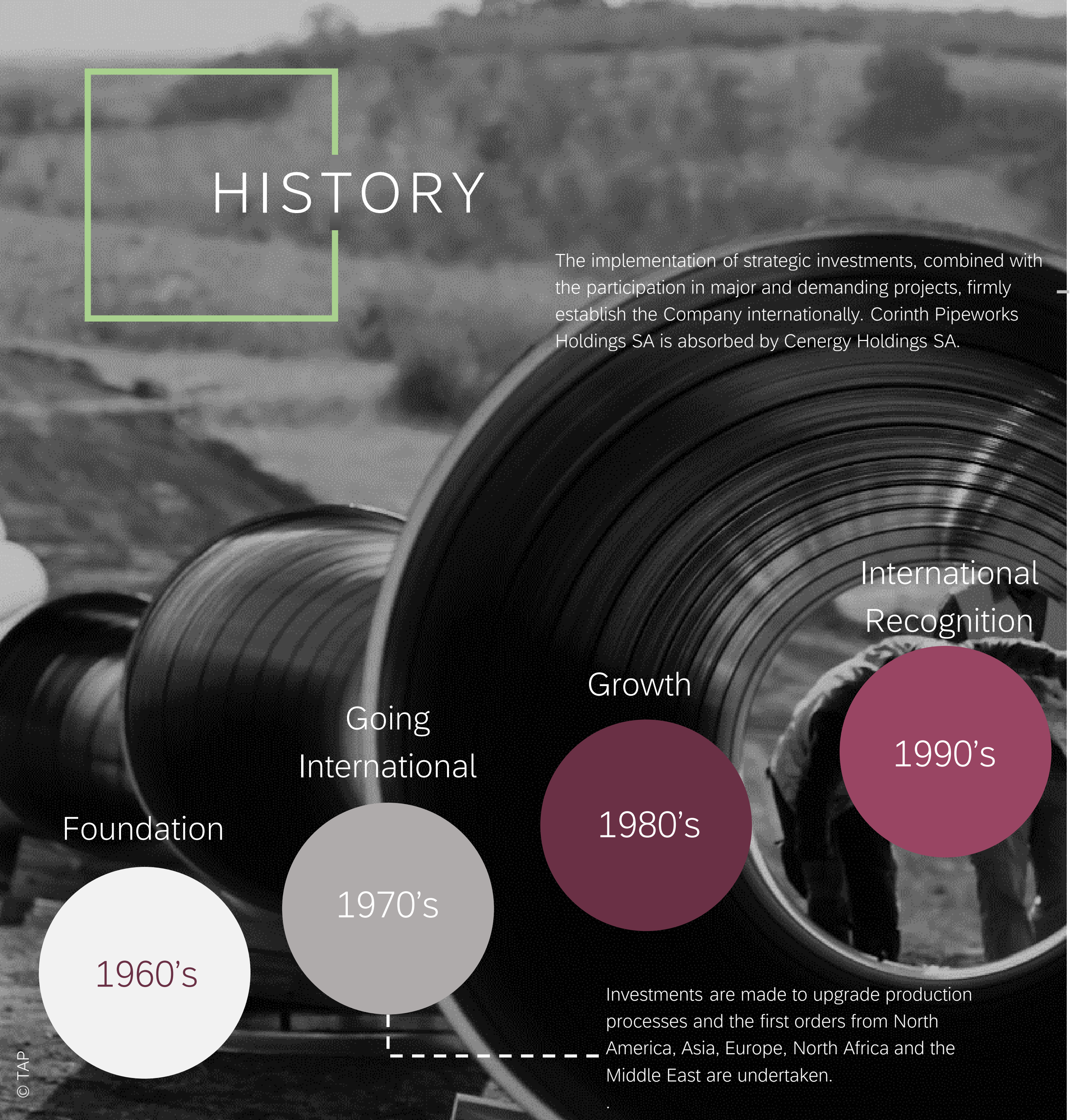
Country: Australia

ONE DYAS: offshore gas production project that will run entirely on renewable energy from the nearby Riffgat wind farm

Country: Netherlands

Porthos project intends to permanently store CO_2 from industry in the Port of Rotterdam in empty gas fields deep beneath the North Seabed. It is the first offshore CCS project using welded pipes

Country: Netherlands



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HISTORY

1960's – Foundation

1970's – Going International

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

1980's – Growth

1990's – International Recognition

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.

2000's – Invest in the Future

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.

2010's – Established Tier 1 supplier

2020's – Energy Transition Enabler

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)

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Our plant

Thisvi plant, Viotia
125km from Athens

Headquarters
Marousi, Athens

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All you need in One location

Port
Exclusive use

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 (Hydrogen + sour service conditions)

Storage areas

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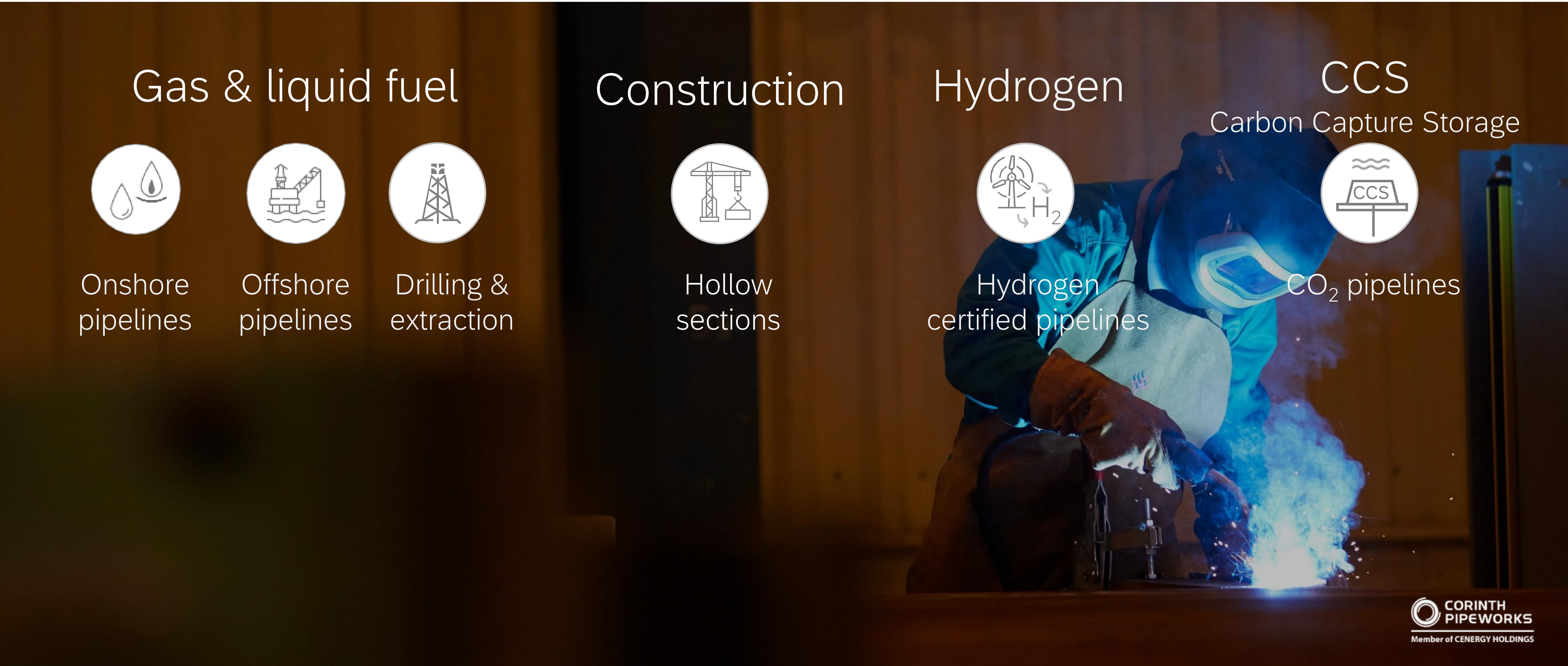
Our business



Gas & liquid fuel

Onshore pipelines

Offshore pipelines

Drilling & extraction

Construction

Hollow sections

Hydrogen

Hydrogen certified pipelines

CCS

Carbon Capture Storage

CO_2 pipelines

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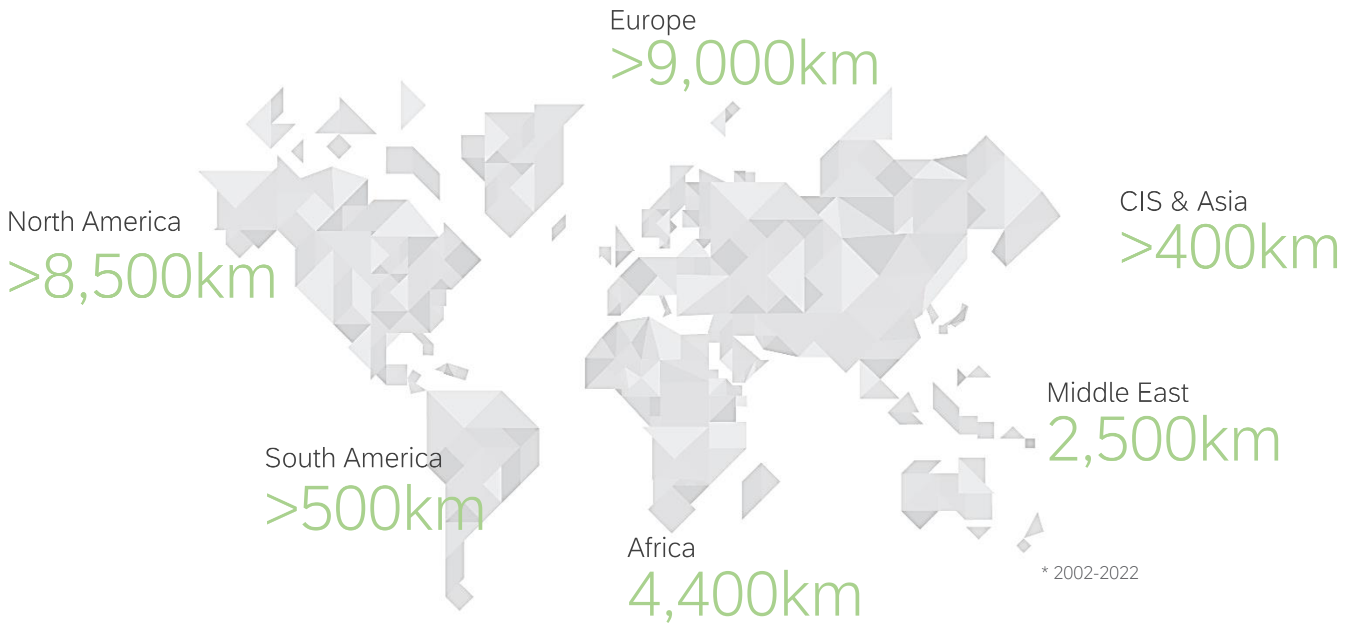
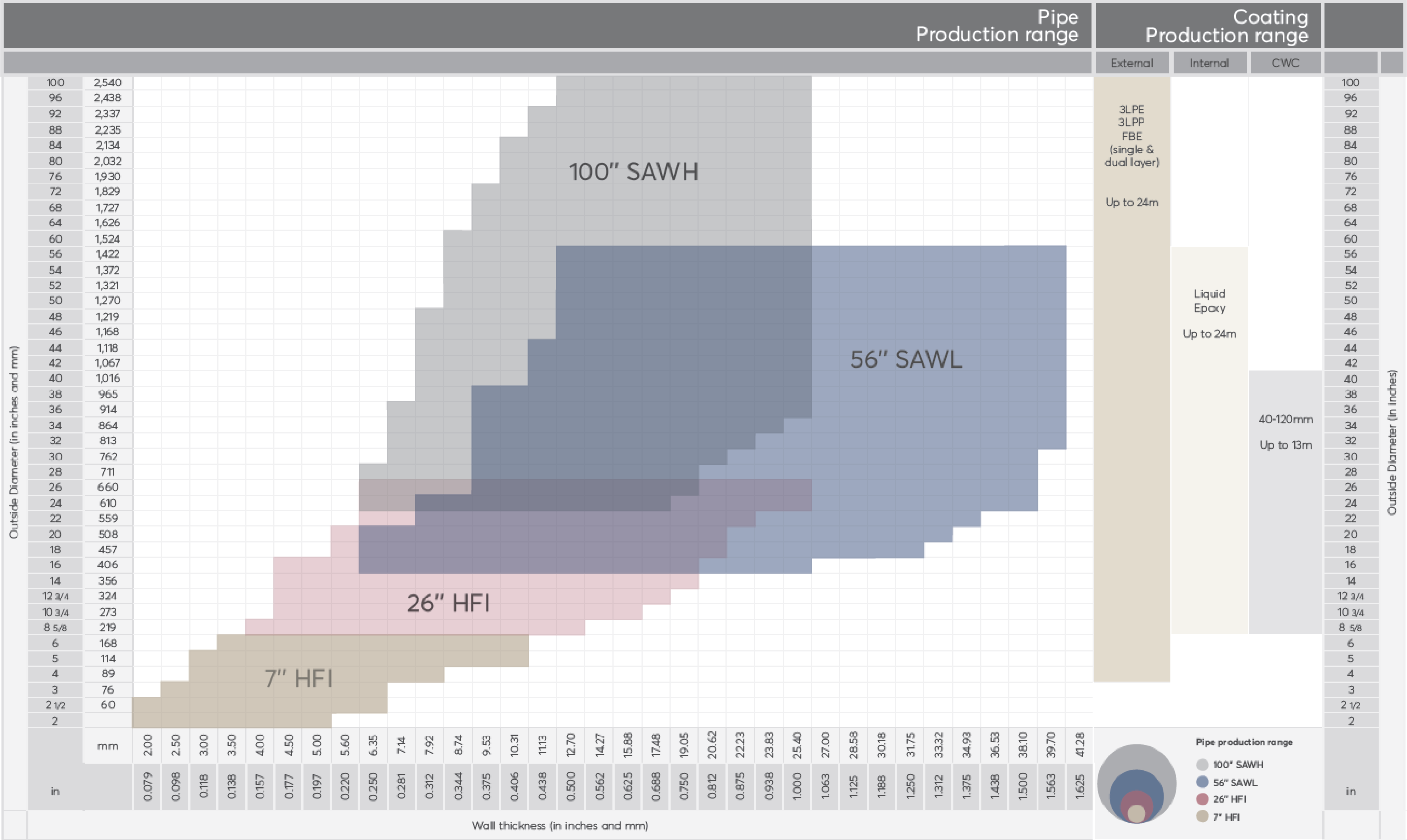
Global presence



* 2002-2022

Production range



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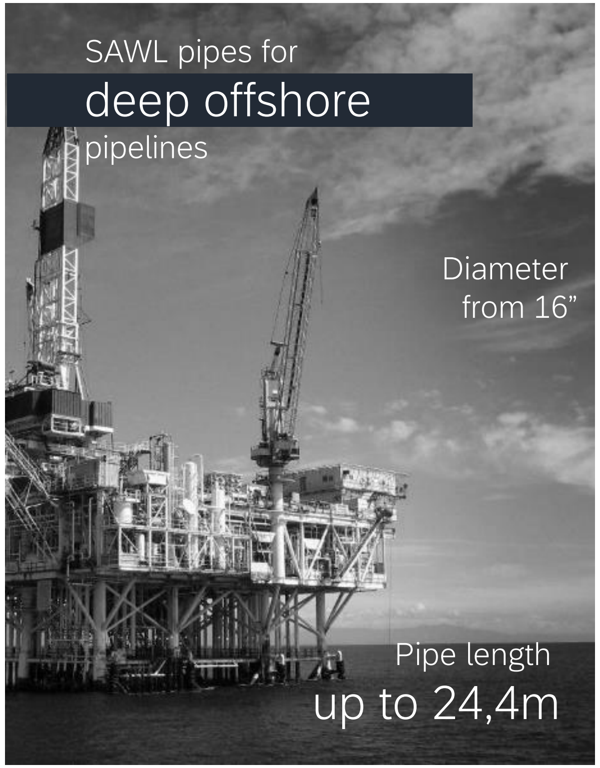
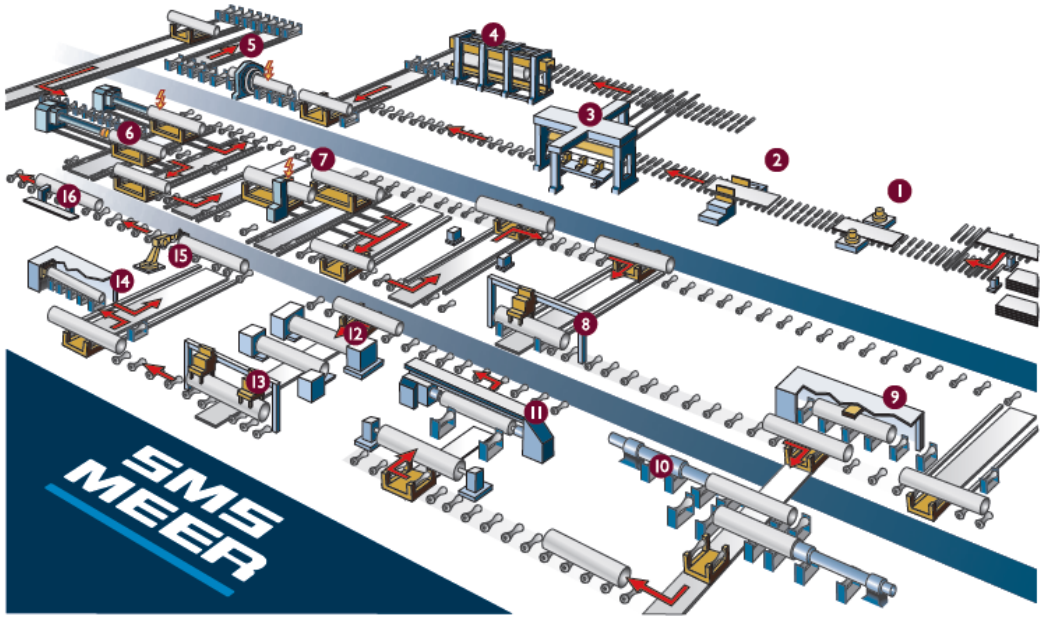
Our Advantages



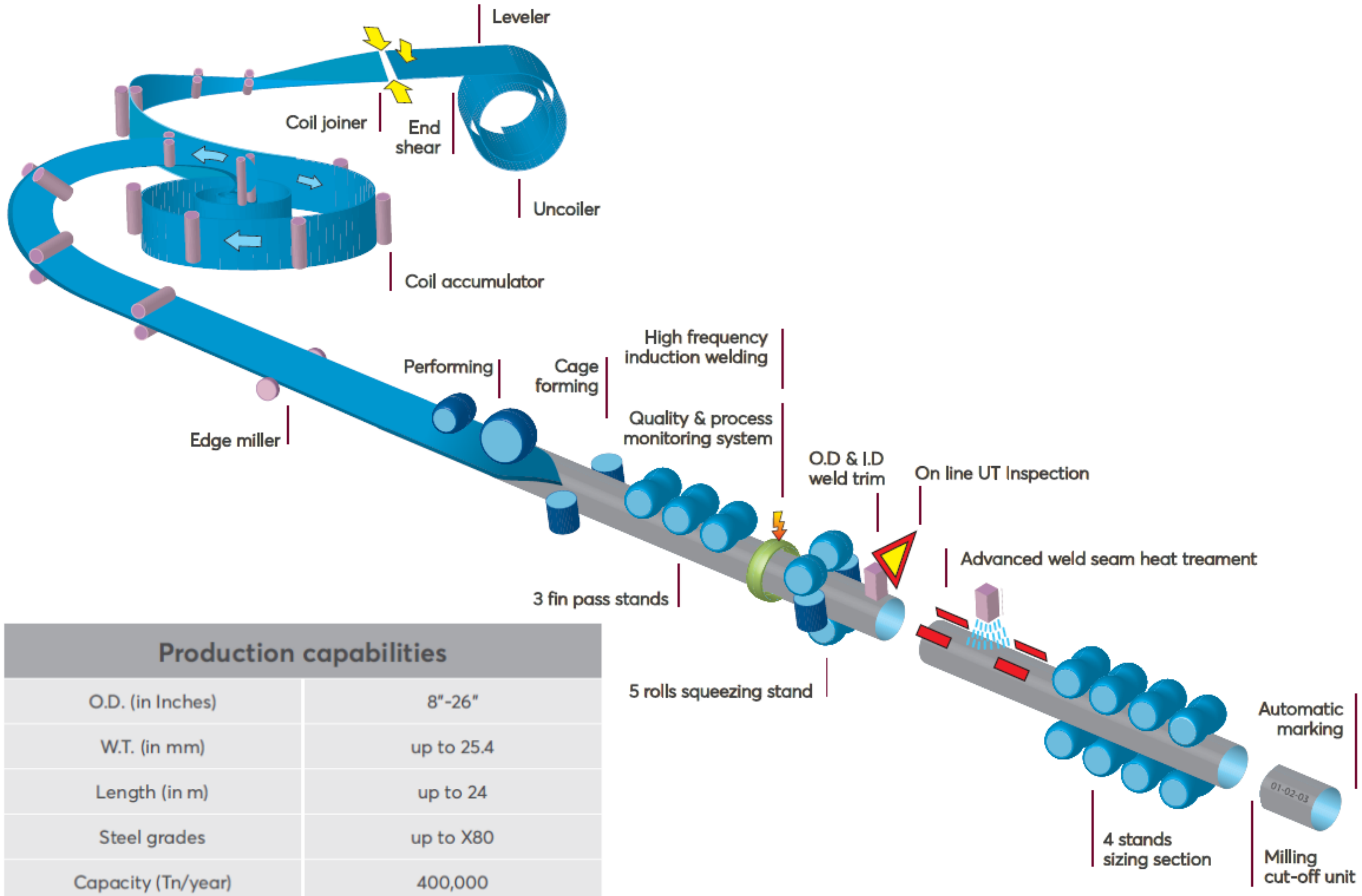
Pipe mills
LSAW 56”

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

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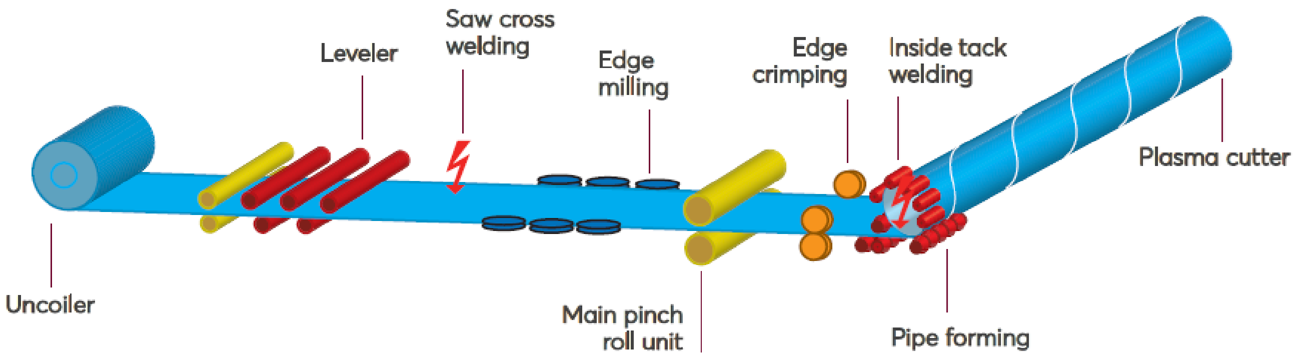
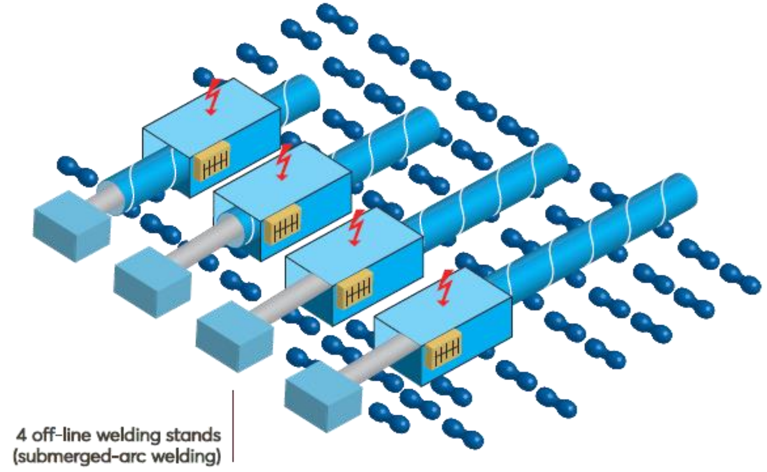
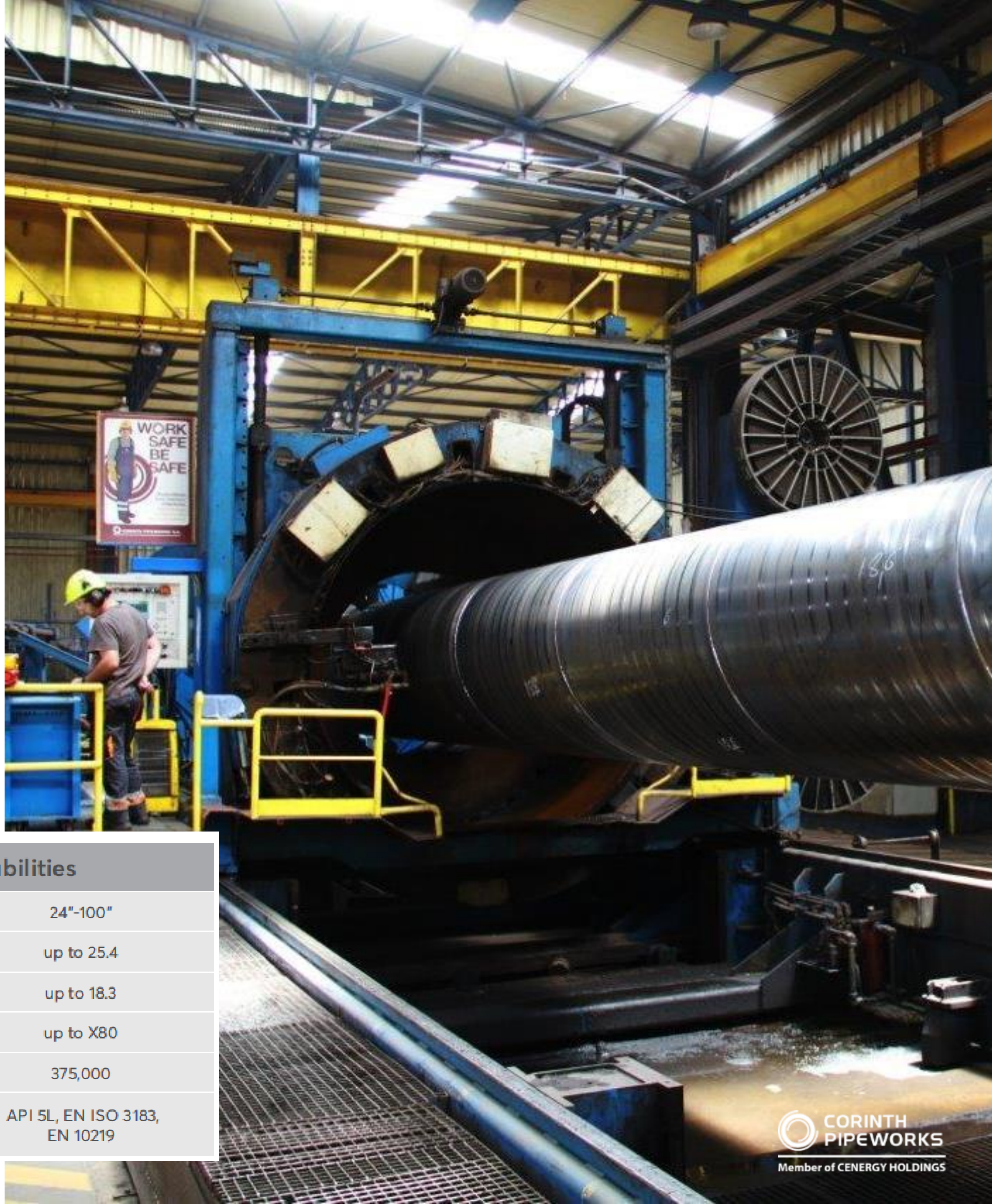
Pipe mills
HSAW 100"





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

External

3LPE
3LPP
FBE
FBE/ARO
CWC

Internal

Epoxy

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 m²		2,000,000 m²

Coating application process					
	External coating				Internal coating
Specification	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

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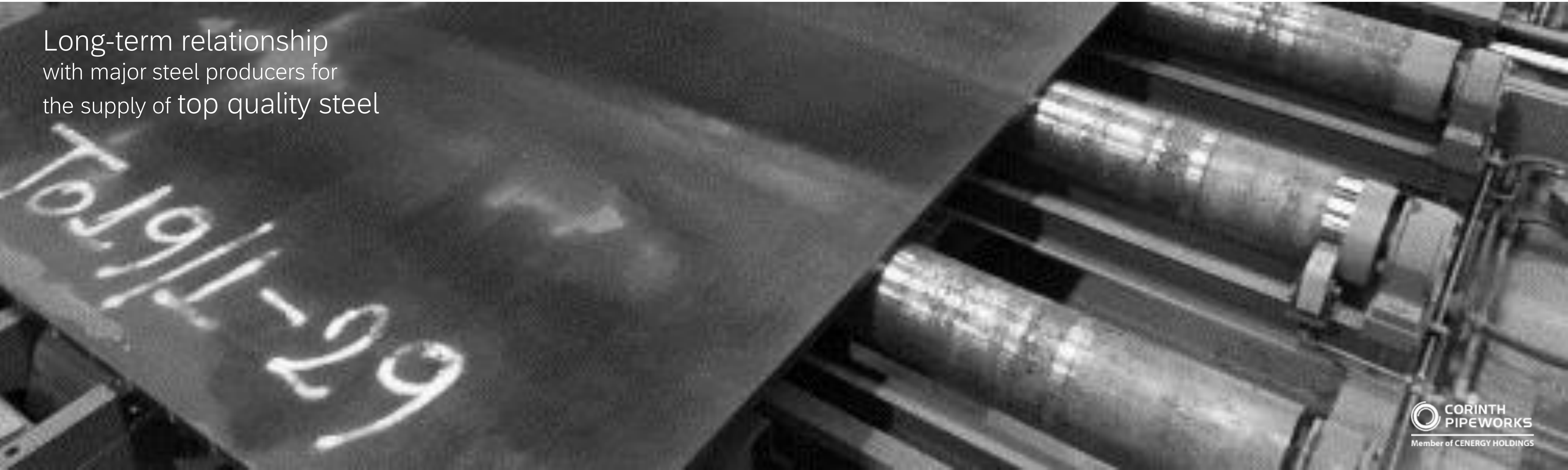
Strategic cooperation
with steel producers

ArcelorMittal
DILLINGER HÜTTE
voestalpine
posco
NIPPON STEEL & SUMITOMO METAL
JFE



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

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