AGENDA





DRIVING TUBACEX'S TRANSFORMATION SUCCESS STORY TOWARDS THE NEXT TRANSITION

CAPITAL MARKETS DAY

NOVEMBER 21st, 2023

Jesús Esmorís CEO





WE EMERGE AS A WORLD LEADER IN ADVANCED INDUSTRIAL SOLUTIONS FOR ENERGY AND MOBILITY





FROM TUBULAR TO **ADVANCED INDUSTRIAL SOLUTIONS**

We are a global benchmark in the design, manufacturing, and installation of advanced industrial products and high-value-added services where only the most sophisticated solutions deliver the best performance



PREFERRED GLOBAL PARTNER

Clients are our asset. We meet their needs, transcend national boundaries and foster collaboration on a global scale with our fully integrated production model, covering the entire life cycle of the products. We take pride in co-creating innovative solutions alongside our customers



PIONEERING DIVERSIFICATION ACROSS MULTIPLE BUSINESS SECTORS

From the oil & gas sector to the low-carbon industry. As part of our commitment to high technological value products, we have developed production capabilities in those segments requiring higher levels of expertise where significant growth is expected



A **GLOBAL LEADER** IN INDUSTRIAL PRODUCTS AND SERVICES FOR ENERGY AND MOBILITY

GLOBAL PRESENCE AND THREE MAIN HUBS









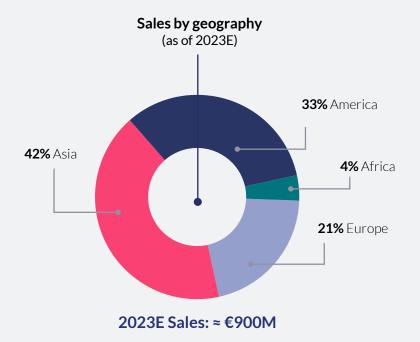
CENTERS

2
INNOVATION CENTERS







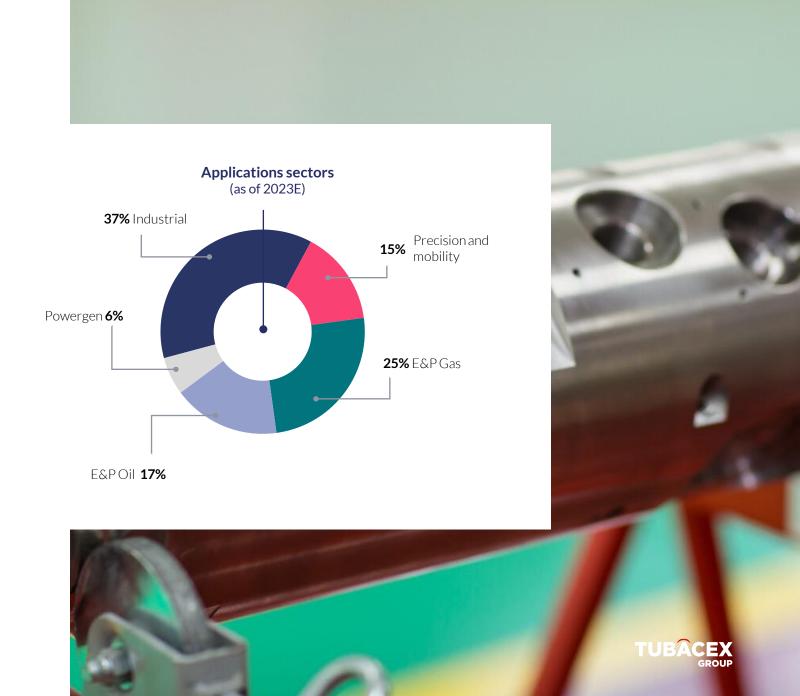




PIONEERING DIVERSIFICATION ACROSS MULTIPLE BUSINESS SECTORS

Focus on industries where:

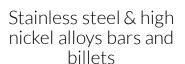
- Only the most sophisticated solutions can deliver the best performance
- High requirements applications become critical



WITH A ROBUST PORTFOLIO

LOOKING AHEAD BY REACHING LONG-TERM AGREEMENTS WITH KEY CUSTOMERS



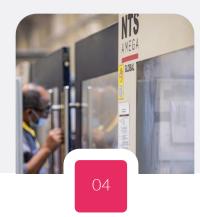




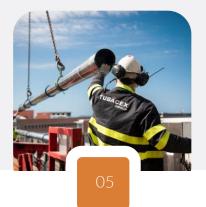
Seamless Stainless-Steel Pipes & Tubes



Forged fittings and special connections



High precision machining



Value added operation & services



Stock, Service & Trading













1. **STAINLESS STEEL & HIGH NICKEL** ALLOYS BARS AND BILLETS

LONG STAINLESS-STEEL PRODUCTS, SPECIALIZED IN INGOTS, BARS AND BILLETS, ROLLED AND FORGED (120-600 mm)





Pipes & bars — Flanges — Valves — Industrial — Hollow bars & other metal mechanical applications



2. **SEAMLESS STAINLESS- STEEL PIPES & TUBES**

SEAMLESS STAINLESS-STEEL PIPES & TUBES (EXTRUSION, PIERCING AND COLD FINISHING) – UP TO 8"



Application sector

E&P of Oil & Gas Offshore subsea Industrial Chemical Nuclear Powergen Aerospace Low Carbon Solutions

3. FORGED AND MACHINED **TUBULAR COMPONENTS, FITTINGS** AND SPECIAL **CONNECTIONS**



Application sector

Nuclear Powergen

Industrial & Petrochemical

-

E&P of Oil & Gas



4. **HIGH PRECISION** MACHINING

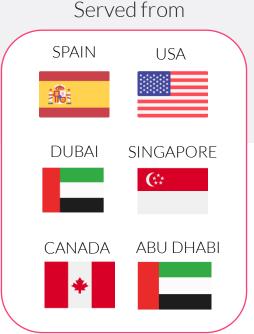
COMPLEX MECHANICAL SOLUTIONS FOR HIGH GRADE ALLOY EQUIPMENT THAT SUPPORTS DRILLING, WELLBORE EVALUATION, COMPLETIONS, PRODUCTION, AND UPSTREAM 0&G OPERATIONS





5. VALUE ADDED OPERATION & SERVICES





Application sector

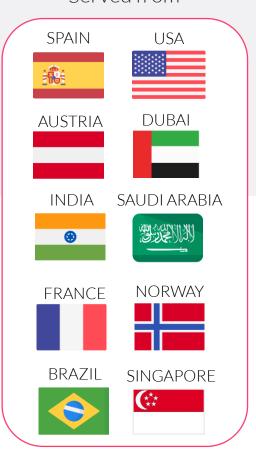
Tube Threading — Welding & bending — Tool rental & Repair — Heat treatment — Component machining — Coatings

6. STOCK, SERVICE & TRADING

MASTER STOCKIST IN SEAMLESS STAINLESS STEEL TUBES AND PIPES



Served from



Application sector

All industries and energy sector

Stock management

Service centers



A **FULLY INTEGRATED** AND TRACEABLE SOLUTION BUSINESS MODEL





REPAIR & MAINTENANCE

PRODUCT DESIGN



✓ PREFERRED GLOBAL PARTNER

- 1. Global and diversified footprint
- 2. Long-term agreements with key customers
- **3.** A best in class in sustainability according to the most demanding ratings

✓ UNIQUE VALUE PROPOSITION

- **4. Cutting-edge** industrial products and services for **multi-energy & mobility**
- 5. Fully integrated and traceable production model
- **6. World's largest manufacturer** of seamless stainless steel pipes
- 7. World's leading CRA-OCTG for E&P of Oil & Gas

✓ SOLID STRATEGY

- **8. High visibility** for the coming years
- 9. Proven track record in long-term targets delivery
- 10. Highly qualified leadership team

SHAREHOLDER VALUE CREATION

- **11. Shareholders remuneration:** 30-40% pay-out
- **12. 48%** stock price appreciation YTD
- **13. Significant growth potential** according to market consensus

2022

Outstanding performance

in a very challenging international economic climate

RECORD CONTRACT:

\$1bn FOR GAS EXTRACTION/

9M23

€641.9M SALES

€93.8M EBITDA **14.6%** EBITDA MARGIN

€1,630M BACKLOG

2023: a record year for the group



MAIN FINANCIAL FIGURES

9M 2023 Results

(€M)	
Sales	
EBITDA	
EBITDA Margin	
EBIT	
EBIT Margin	
Earnings Before Taxes	
Earnings Before Taxes Ma rgin	
Net Profit	
Net Profit M argin	

Net Profit Margin	
Working Capital	
Working Capital / Sales	
Net Financial Debt	
Net Financial Debt / EBITDA	
Structural Net Financial Debt ⁽¹⁾	

9M 2022	9M 2023	% Var.
527.1	641.9	21.8%
67.3	93.8	39.3%
12.8%	14.6%	
31.7	60.6	91.1%
6.0%	9.4%	
20.3	38.9	91.8%
3.9%	6.1%	
17.0	27.8	63.5%
3.2%	4.3%	

Dec. 22	Sept. 23	Var. (€M)
230.0	234.9	+4.9
32.2%	28.3%	
287.1	291.2	+4.1
3.1x	2.5x	
57.1	56.2	-0.9

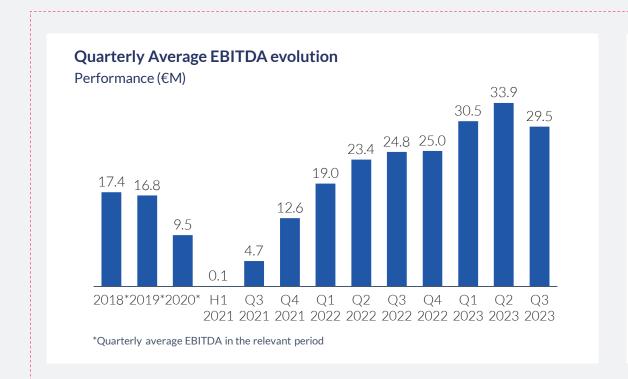
Q3 2022	Q3 2023	% Var.
173.3	207.2	19.6%
24.8	29.5	18.7%
14.3%	14.2%	
13.6	19.6	43.4%
7.9%	9.4%	
9.9	11.0	11.1%
5.7%	5.3%	
7.9	7.8	-1.2%
4.5%	3.8%	

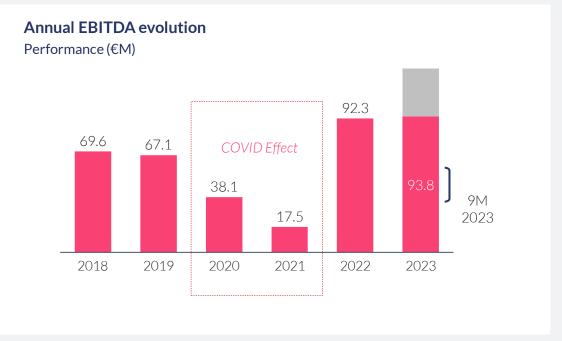
(1) Net Financial Debt - Working Capital



MAIN FIGURES FROM THE INCOME STATEMENT

9M 2023 Results





THE MARKET TREND AND THE RECORD LEVEL OF THE BACKLOG CONFIRM THE POSITIVE OUTLOOK FOR 2023 AND INCREASE VISIBILITY FOR 2024



CONCLUSIONS

HISTORICAL MOMENT FOR TUBACEX



Strategic commitment to sustainability and the energy transition



Good market momentum in which securing the energy supply is a priority



Order intake remains at high levels, enabling the **backlog** to remain at **record levels**



Q4 results will be in line with previous
quarters

000 000 000

Expectations for 2023 to become a landmark year have been confirmed



The current backlog increases visibility for 2024 and foresees a good financial year



Tubacex is **ahead of schedule** in meeting most of the strategic objectives for 2025



We have updated our strategic plan





SINCE OUR ESTABLISHMENT IN 1963, WE HAVE CONTINUALLY EVOLVED

HAND IN HAND WITH OUR CUSTOMERS AND THE SOCIETY

UPTO 2014 Benchmark transformation based on high value-added solutions instead of volumes, obtaining higher margins & getting closer to our customers



Advanced industrial solutions, positioning Tubacex as a strategic long-term partner and a key player in the energy transition





TRADITIONAL SEAMLESS
STAINLESS-STEEL
TUBES PRODUCER

PREMIUM TUBULAR SOLUTIONS

MULTI-ENERGY AND MOBILITY **INDUSTRIAL SOLUTIONS PROVIDER**

PROACTIVELY ANTICIPATING MARKET TRENDS,
POSITIONING OURSELVES AHEAD OF THE CURVE



SUCCESSFUL EVOLUTION

MARKET REPOSITIONING

STRATEGIC PLAN 2014-2020

Marketing repositioning

Relevant investment in industrial installations and **R&D** to develop new products

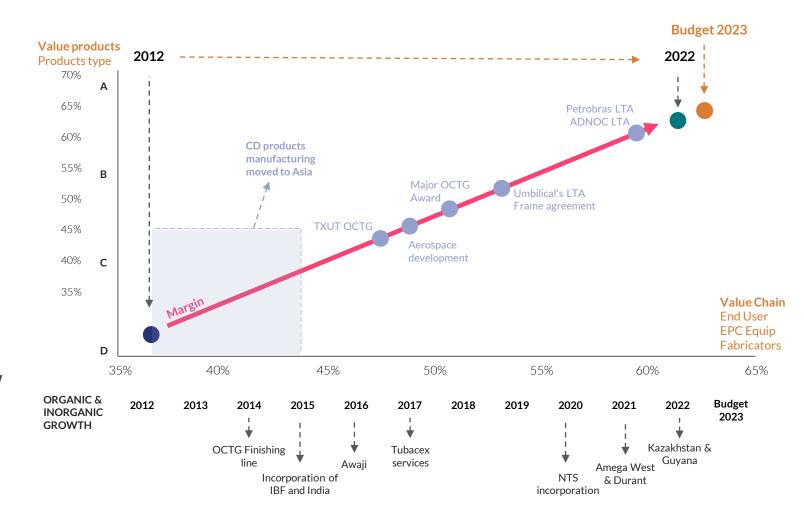
Integration of new companies in Asia to reposition our lower value-added products by selling through our **new sales channel** (TSS – 12 service centers)

Acquisition of companies with complementary products to complete the **full range portfolio** (6 acquisitions)

Different value proposition to the market focusing on **value added services**

Place and homologation of **new products and new customers**

Important yearly evolution increasing **market** share in premium products



TUBACEX TRANSFORMATION





Seamless stainless steel tubes manufacturer Advanced industrial suppliers of high alloys Long Term Agreements with main end users and Selling through distributors customers Focused on volume Focused on value High volatility Low volatility 3-4 months backlog €1.63bn backlog Premium product mix Commodity product mix Global industrial footprint (local content) Industrial footprint mainly focused in Europe Oil & Gas sectors Multienergy and mobility sectors Product supplier Integrated solutions to customer





CAPITALIZING ON **EMERGING MACROTRENDS...**

S ENERGY TRANSITION

- Renewable energy production increase
- Net-zero commitments
- Electrification of production processes
- Carbon Capture emerging technology

OU ECONOMIC GROWTH

- Consumption increase
- Growth in emerging markets
- Energy demand growth
- Energy security

MOBILITY

- Increased movement of people
- Transport demand growth
- Digitalization

OUR STRATEGY IS ALIGNED WITH MACROTRENDS



... AND ON **KEY MARKETS EVOLUTION**



OIL & GAS

Global energy demand growth driven by the necessity of securing an affordable energy supply in accordance with the World Energy Trilemma and the updated forecasts by OPEC The world requires \$14 trillion in oil sector investments by 2045 to ensure market stability (OPEC)



LOW CARBON TECHNOLOGIES

Transition to low carbon energies (Carbon Capture, H₂, etc.)

Carbon Capture market has just started, and capture capacity is about to increase exponentially in 2023-2030 period (Rystad Energy)



NUCLEAR ENERGY

Nuclear energy based on traditional and Small Modular Reactors (SMR) where we hold a solid position providing critical industrial solutions

Contribution of this energy will be about 14% of global electricity by 2050, up from its 10% share today (IAEA)



AERONAUTIC & SPACE EXPLORATION

A bright horizon ahead: fast growing and very profitable sectors

Poised to experience robust expansion at a Compound Annual Growth Rate (CAGR) of 6.3% to 2032 (The Business Research Company)



INDUSTRIAL APPLICATIONS

Hydraulic and Instrumentation (H&I): small diam, ultra clean, high-precision tubes *Global growth forecasted of 2.9% in 2024 (International Monetary Fund)*



THREE CLEARLY **DIFFERENTIATED PHASES**



2030 VISION

HIGH VALUE SOPHISTICATED SOLUTIONS PROVIDER FOR ENERGY AND MOBILITY

Phase 0: 2020-2021

RESTRUCTURING & PREPARING



Phase 1: 2022-2025

DELIVERING STABLE RESULTS AND CASH GENERATION





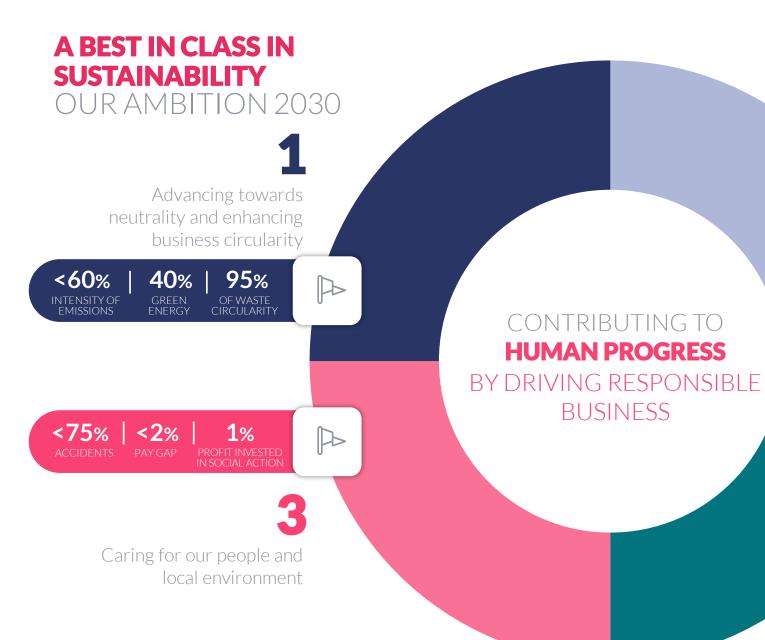














Contributing to the development of innovative solutions for energy transition



CONTRIBUTING TO

HUMAN PROGRESS

BUSINESS

€50м

80%

1%-2%









Doing what is right and promoting transparency



ANTICIPATING OUR **SUSTAINABILITY TARGETS AHEAD OF EXPECTATIONS**



FULFILMENT

>100%

>100%

86%

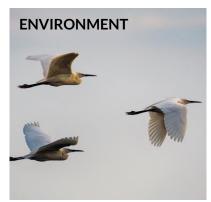
85%

91%

0%

95%

77%







	— Subcategory —————	— Unit	
	Energy intensity (1)	Mwh/ GAV	2.58
ENERGY & CLIMATE	Scope 1 + 2 emissions intensity (2)	Ton CO ₂ / GAV	0.70
	% Renewable energy	% of total energy	0% 40 % 34.4 %
CIRCULAR ECONOMY	Waste recycle	% total generated	60.5%
SUPPLY CHAIN	% of suppliers evaluated on ESG factors	%	99%
DIVERSITY	Gender pay Gap	Ratio	11,5
PROFESSIONAL DEVELOP	Training delivered per employee	Hours /FTE	13.7
HEALTH &	Lost Time Injury Frequency Rate (LTIFR) evolution	2009 basis	100 42.6
SAFETY	Severity rate evolution	2009 basis	25

(1) Group companies' intensities weight by energy use

(2) Group companies' intensities weight by emissions

*The comparison refers to 2019 since 2020-2021 are not representative due to Covid's situation

INTERNATIONAL RECOGNITION

leading position in the world's most prestigious climate change index







Topic	Score	Percentile
TOTAL	48 (+8)	90 (+4)
Governance	60 (+6)	94 (+3)
Environment	45 (+12)	87 (+3)
Social	41 (+9)	89 (+4)

WITH MORE THAN 50 PROJECTS LAUNCHED ACROSS THE TUBACEX GROUP



SOME ENERGY RELATED INITIATIVES

01 EFFICIENCY



- 1. Energy efficiency improvements
- 2. ISO 50001. Energy efficiency certification for all plants

02 RENEWABLES

1. PPA European facilities powered by green energy sources

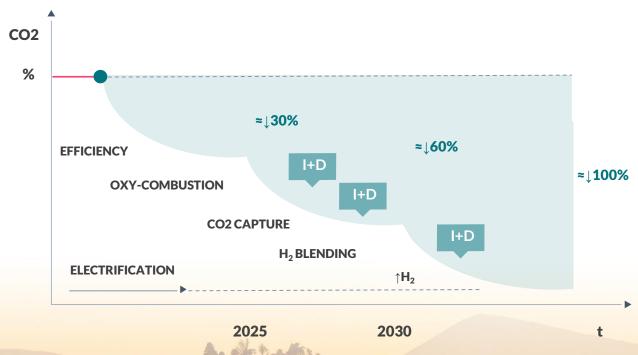
03 CIRCULARITY

- 1. Corporate waste management model.
- 2. Scrap recovery model (>80% waste recycled)
- 3. Slag and Refractory Recycling

DECARBONIZATION OF OUR STEEL MILL

The defined roadmap incorporates technologies such as oxycombustion, electrification, CO2 capture, and hydrogen.

Vision: To be the European leader in the production of green stainless steel



A SOUND BALANCE SHEET TO CAPITALIZE ON FUTURE GROWTH

- Focus on cash generation
- Continue with strict CAPEX control and disciplined capital approach
- Reduction of working capital
- Analyzing potential divestments or integrate financial partners
- ✓ Solid financial strategy



Main ratios

Cash Conversion Ratio



>50%

Working Capital over sales



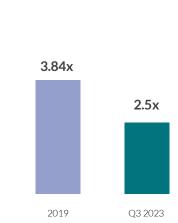
30%

Net debt / EBITDA



2-3_x

Net Financial Debt / EBITDA







MITIGATING BUSINESS FLUCTUATIONS





DIVERSIFICATION

continue to develop our presence in Aerospace and H&I segments, as well as Low Carbon business



UNIQUE GLOBAL FOOTPRINT



RAW MATERIAL AND ENERGY HEDGING

mechanism to prevent volatility caused by raw material and energy prices



LONG TERM AGREEMENTS



LONG TERM AGREEMENTS PROVIDING HIGH VISIBILITY

In 2022 **order book stood at €1.6bn**, the highest level in the group's history with a significant percentage of high value-added products.

More than **30 long-term agreements** signed with most relevant end users.































CASE STUDY I

LONG-TERM AGREEMENTS IN OCTG

WITH LARGE BUSINESS PLAYERS



ABU DHABI

1st State-of-the-art CRA-OCTG manufacturing plant in the Middle Fast

(Completion expected by the end of 2024)

\$1bn

\$100M

ORDER VALUE

INVESTMENT VALUE

100,000M² PLOT

150

EMPLOYEES

- 'In Country Value' program
- 'Make it in the Emirates'



BRAZIL

Value added operation and services based on a LTA with Petrobras, for the supply of OCTG tubes

€300M

ORDER VALUE

Streamlined Project Execution

- Expertise in inventory oversight and regulation
- Integrated solutions for logistics and warehousing
- Management of rig preparation and post-operation rig returns

Service Excellence

- Global running services supervision
- API, ISO registered quality management systems
- 24/7 technical support service





TUBACEX AND AKER SOLUTIONSFORGE CO-CREATION PARTNERSHIP

A MODEL OF ENERGY SECURITY AND SUSTAINABILITY

Within its Long-Term Agreement Program with the Norwegian Aker Solutions A/S, Tubacex signed a framework contract for 3 relevant hydrocarbon reservoir projects in the North Sea. Gas supply is critical for securing energy requirements in the region, thereby addressing the current situation with Russia.

The agreement consists of the supply of state-of-the-art Tubacex designed and produced umbilical pipes in addition to the material supply, it is mutually agreed to work together on:



ENGINEERING

- Optimization of product dimensions to reduce costs
- Avoiding "overengineering" in the manufacturing process, aiming for more efficient delivery



DIGITALIZATION

Of Project Management activities



SUSTAINABILITY

- Monitoring and reviewing CO2 emissions throughout the material manufacturing process, aiming for a sustainable product footprint
- Optimization of logistics, prioritizing maritime transportation over other methods
- Implementation of a circular economy, recycling surplus pipes as scrap and reusing packaging elements







CASE STUDY III

A SOLUTION PROVIDER IN

POWERGEN NUCLEAR ENERGY

NUCLEAR REACTOR COOLING PIPE CORROSION: EDF/ 2022



THE CHALLENGE

October 2022: Twenty-six of France's 56 nuclear reactors are offline for maintenance or because of corrosion on **piping that cools the reactor cores**. Fixing the corrosion is taking longer than expected at several reactors, delaying their restart by as much as six weeks, according to regulatory filings and a French nuclear executive familiar with the matter.

EDF, the world's largest owner of nuclear plants, is one of Western Europe's most important power companies. Its fleet of reactors normally exports large quantities of low-cost nuclear power to neighboring countries, helping stabilize prices across the region.







THE SOLUTION

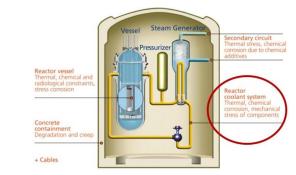
Tubacex was awarded with the pipe and fitting design and manufacturing Project, includes approximately **700 fittings and 400 m of pipes** which were delivered in 5 lots spread through 2022-2023 in a **fast-track mode.**

Production was extraordinary complex due to several constraints:

- Tight delivery schedule
- Paperwork accompanying the material is relevant due to the safety class of the material (Class I)
- Every single piece is fully tested before packing
- A permanent team of third-party inspectors from the Nuclear Regulatory Agency as well as from the end user
- The supplier of the material must provide the order with zero defect parts

Project management service is very demanding with daily reports of manufacturing status.

All information is exchanged through the EDF portal. Daily Exchange of EDF-IBF Project teams. GNMS exclusive PM engineer for the project.

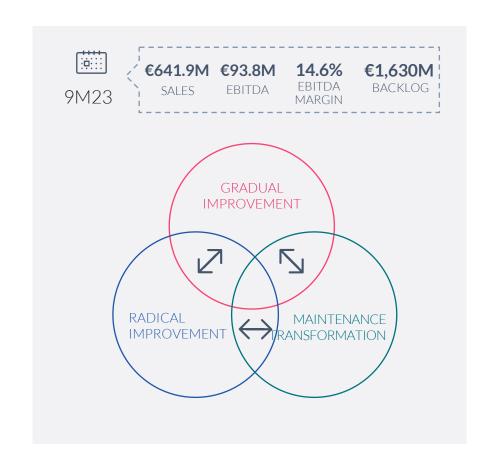


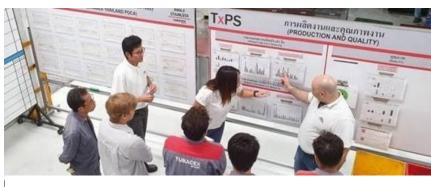


COMPETITIVENESS & EFFICIENCY

MAINTAINING A **STABLE AND ROBUST OPERATING PROFITABILITY**

- Focus on our lean operations and production systems
- Constant optimization of our production processes
- Flexibility as a key lever, continuously adapting our organization structure
- Management model based on continuous improvement
- All companies delivering positive results
- ✓ Robust results
- ✓ Correct product allocation











BUSINESS LINES ALIGNED WITH SOCIETY'S DECARBONIZATION GOALS

A POWERFUL STRUCTURE FOR A NEW ERA



Supporting our customers in their decarbonization processes

Traditional

- Oil & Gas E&P
- Industrial
- Precision and transportation
- Powergen

Diversification

- Aerospace
- Nuclear
- Health



Offering low carbon solutions for energy generation, storage and transport

- Projects focused on energy storage and transport, backed by CCS (Carbon Capture and Storage) and H₂ solutions
- Tailor-made solutions for low carbon segments and materials for hydrogen applications

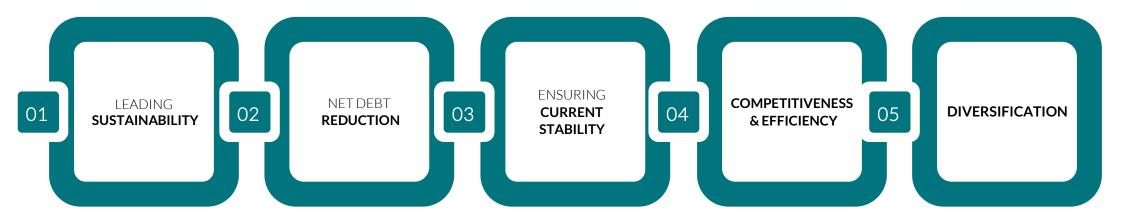


Analyzing organic and inorganic growth in energy and mobility Sectors

- M&A
- Greenfield projects
- Complementary companies that allow us to boost our diversification process



WE HAVE ALREADY MADE **GREAT PROGRESS**



- International recognitions for our sustainability policies: CDP A- and S&P standards
- Successfully implemented internal projects to reduce our carbon emission and waste valorization
- R&D: continued to develop specific materials and solutions to contribute to the decarbonization of our customers

- Strict CAPEX control
- Cash conversion ratio >50%
- **Debt ratio** down to 2.5x despite organic growth
- Significant growth achieved in every business area
- Robust financial results
- Over 30 LTAs and Frame Agreements signed
- **€1.6bn backlog** (historic levels)
- Book-to-bill ratio of >1x
- Raw Material and Energy **Hedging**

- +€30M in fixed costs reduction (2020-2021)
- Inflation costs successfully pass to our customers
- Effective **rightsizing** of the 22 companies in the group
- EBITDA margins 13-15%

- Significant growth in Low Carbon business (Carbon Capture & Hydrogen)
- Tailor-made solutions to reduce CO₂ emissions for industrial applications
- Aeronautic and space exploration market great development
- High expected growth in **nuclear**



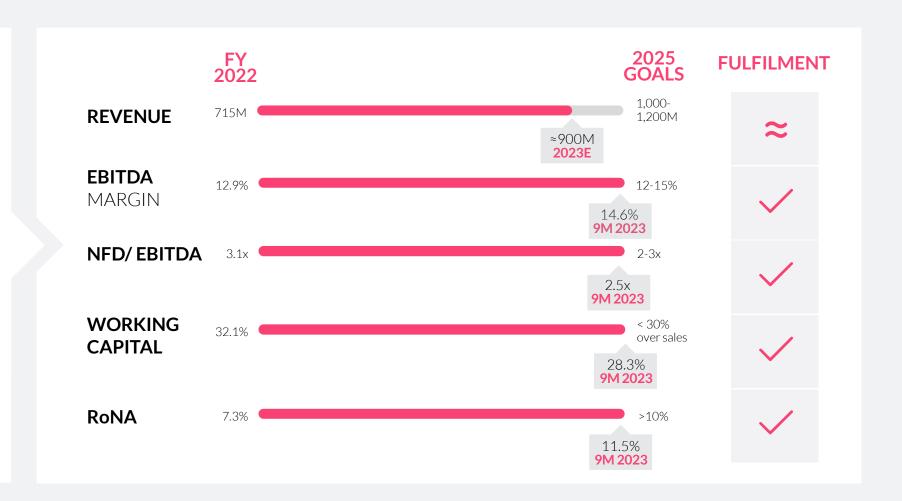
ANTICIPATING TWO YEARS THE ACCOMPLISHMENT OF THE MAIN OBJECTIVES

A SUCCESSFUL AND VISIONARY STRATEGY CONTRIBUTING TOWARDS A FRUITFUL RESULT

EXPANSIVE CYCLE OF TRADITIONAL BUSINESS

GROWTH ALIGNED WITH **ENERGY TRANSITION**

DIVERSIFICATION THROUGH **NEW BUSINESS**







SUMMARY

TUBACEX HAS MADE MORE PROGRESS THAN EXPECTED IN MEETING ITS STRATEGIC OBJECTIVES



WE HAVE UPDATED OUR STRATEGIC PLAN WITH NEW OBJECTIVES UP TO 2027

KEY POINTS OF OUR NEW PLAN:



- Moving forward on our five strategic axes
- Diversifying our current businesses and gaining market share in new sectors
- Growing both organically and inorganically
- Taking advantage of the acceleration of Low Carbon:
 - We have been preparing for this transition for a long time and investing in new developments
 - Last year we created the Low Carbon Solutions business unit

ALMOST TWO YEARS AHEAD OF EXPECTATIONS



TUBACEX: A PROACTIVE ROLE IN THE ENERGY TRANSITION

FACILITATING ITS CLIENTS THE ACHIEVEMENT OF THEIR GOALS



CONVENTIONAL ENERGY

To accompany our clients in their decarbonization processes and successfully contribute to them

- Increase in gas consumption
- Relaunching of nuclear projects
- New technologies to reduce CO2 emissions
- Help our clients to increase the efficiency of their processes



LOW CARBON EMISSION ENERGY

To play a key role in production, storage and transport solutions for low emission sources of energy

- Applications and materials specifically designed for new energy sources (i.e. Hydrogen, biomass, etc)
- Specific developments for Carbon Capture

BOTH CONVENTIONAL AND LOW CARBON TECHNOLOGIES REQUIRE MATERIALS THAT ARE HIGHLY RESISTANT TO CORROSION, TEMPERATURE AND PRESSURE



INNOVATION

AS A LEVER OF OUR
TRANSFORMATION TOWARDS
THE NEXT TRANSITION

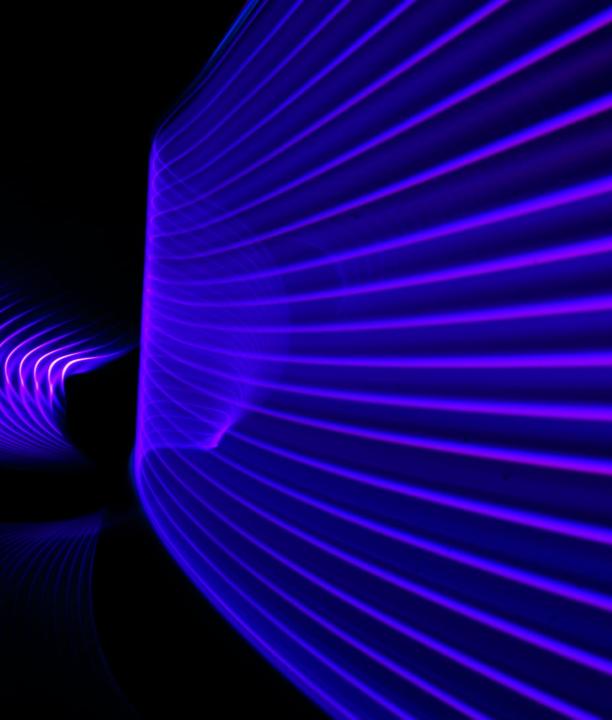
CAPITAL MARKETS DAY

NOVEMBER 21st, 2023

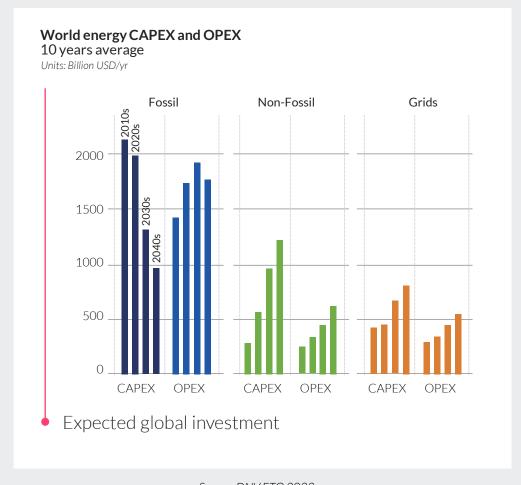
Diego Herrero

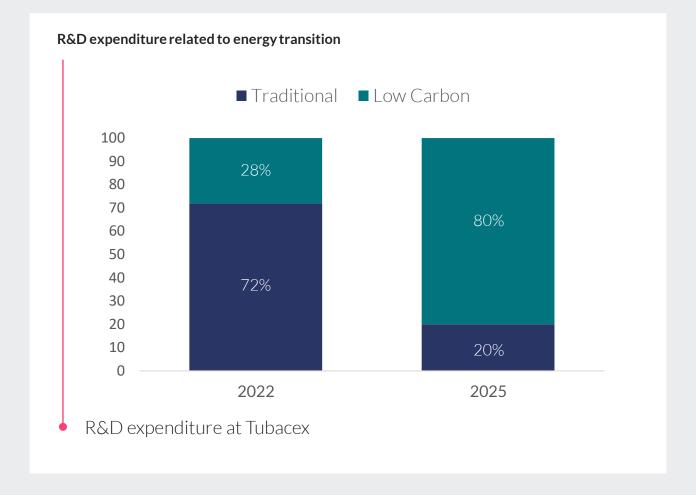
Corporate Innovation Director





EVOLVING WITH THE WORLD

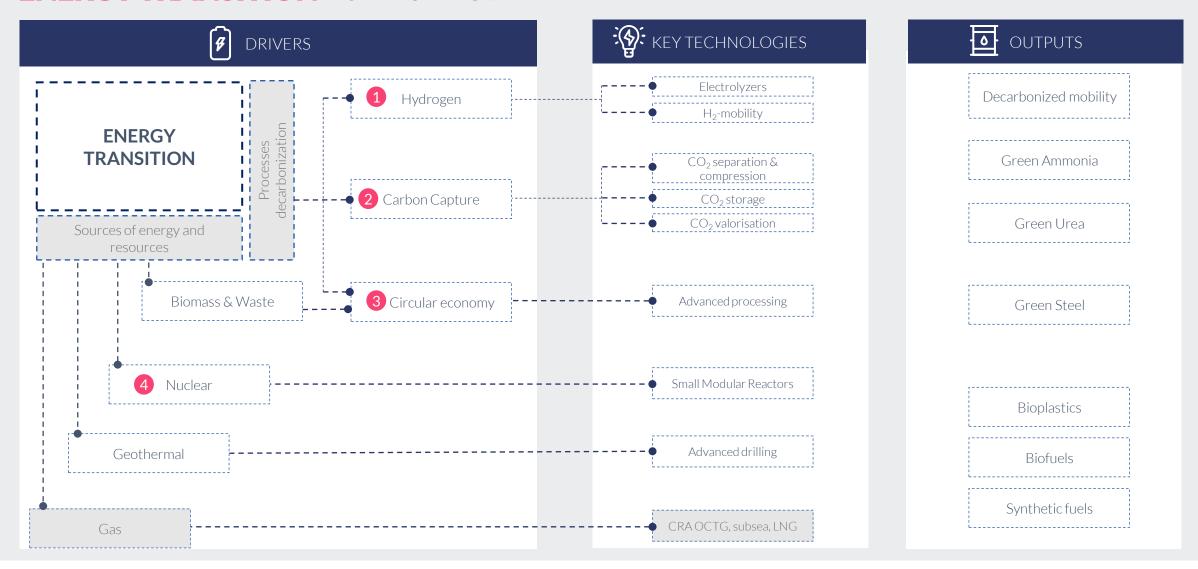




Source: DNV ETO 2023



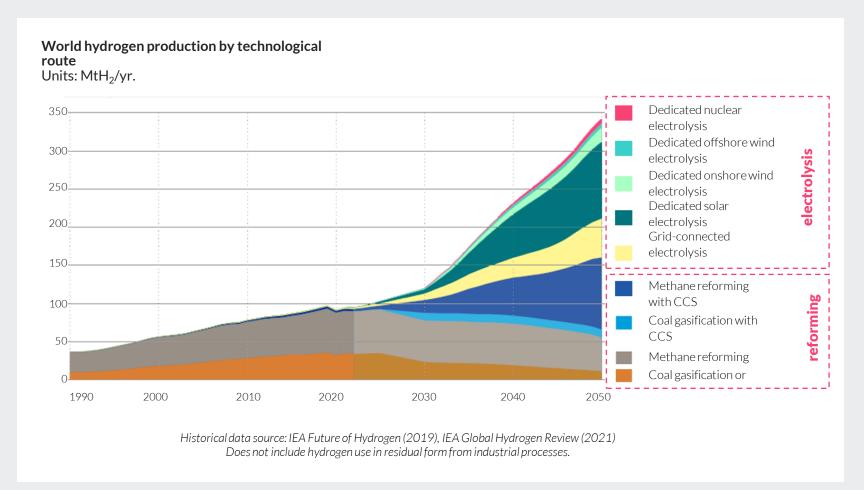
ENERGY TRANSITION FOR TUBACEX





HYDROGEN BY TECHNOLOGY





- Very significant long-term growth
- Two complementary technological routes
- Existing products for both of them, and developing high value solutions

Source: DNV ETO 2023



MATERIALS FOR HYDROGEN APPLICATIONS



CURRENT PROJECTS BEING DEVELOPED FOR THE DIFFERENT HYDROGEN-RELATED TECHNOLOGICAL CHALLENGES.

HIGH TEMPERATURE:

Blue hydrogen: New reformer designs

Alloy 699XA



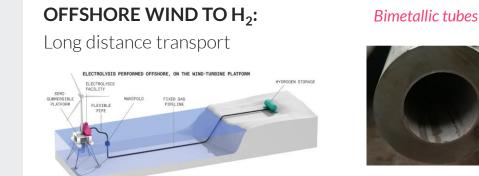
VDM Metals
Acompany of ACERINOX





LOW TEMPERATURE:

- Standard stainless steel grades are widely used for hydrogen applications. Increasing demand for precision tubing
- More advanced materials under development



MATERIALS TECHNOLOGY PARTNER FOR EMERGING CHALLENGES



MATERIALS AND COMPONENTS FOR ELECTROLYZERS



PARTICIPATING IN SEVERAL R&D PROJECTS TO DEVELOP ADVANCED MATERIALS AND COMPONENTS

PEM ELECTROLYZERS:

SCIENTIFIC & TECNOLOGICAL CAPABILITIES

MEMBERS OF BASQUE RESEARCH & TECHNOLOGY ALLIANCE





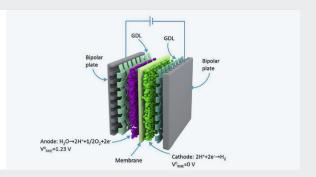












SOEC ELECTROLYZERS:











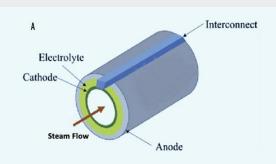








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AEM AND PCEC ELECTROLYZERS:



















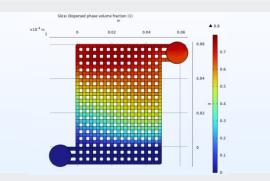














NEW BUSINESS MODELS. COMPONENTS FOR ELECTROLYZERS



GEARED UP FOR DELIVERING VALUE TO MAIN ELECTROLYZER OEMS

	PROTOTYPE/FEW UNITS	SERIAL PRODUCTION
PRODUCT	Tubes / pipes off-the-shelf	Functional parts
SERVICE	Stock	Just in Time
QUALITY	Standards	Total Quality Management Zero defects Integrated process Validation for plug&play
DESIGN	Conventional	Co-Design Total cost reduction Easy to assemble
COST	High	Total cost >20% lower

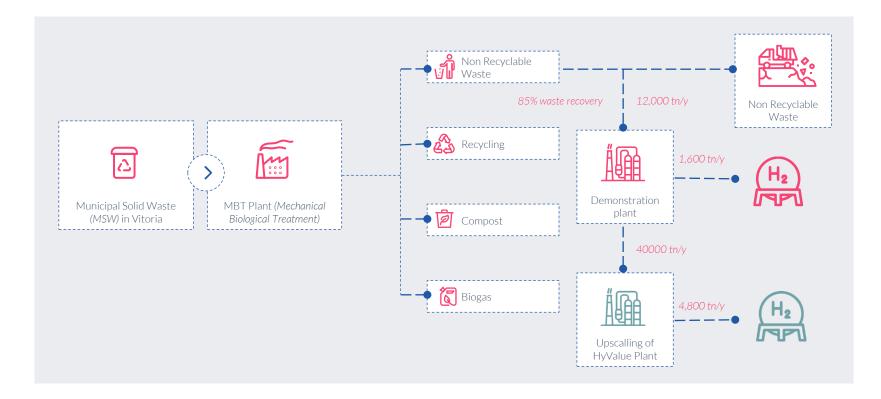


NEW BUSINESS MODELS

NEW TECHNOLOGIES AND SOLUTIONS ARE EMERGING CONTINUOUSLY

Actively looking for partnerships to develop new business models

Example: Waste to hydrogen project



- Parnership with a technology developer (Novargi)
- JV 50/50
- Demo project funded by EU (innovation fund)
- Expected operation of pilot plant: 2025
- The business model focuses on commercializing the technology, once it is validated



OVERVIEW OF

1 HYDROGEN

HYDROGEN STRATEGIES

ENHANCE CURRENT OFFERING BY:

- Optimizing precision tubing capacity worldwide
- Adding and promoting new alloys

EXPLORE NEW MATERIALS SOLUTIONS:

- Materials for electrolizer stacks
- Ceramic coatings
- Bimetallic tubes

DEVELOP NEW BUSINESS MODELS:

- Serial production of tubular components for electrolizers
- Technology partnerships (e.g.: Waste to H₂)







NEW SOLUTIONS FOR

FERTILIZER PRODUCTION

CREATION OF A NEW EMERGING BUSINESS UNIT DRIVEN BY R&D

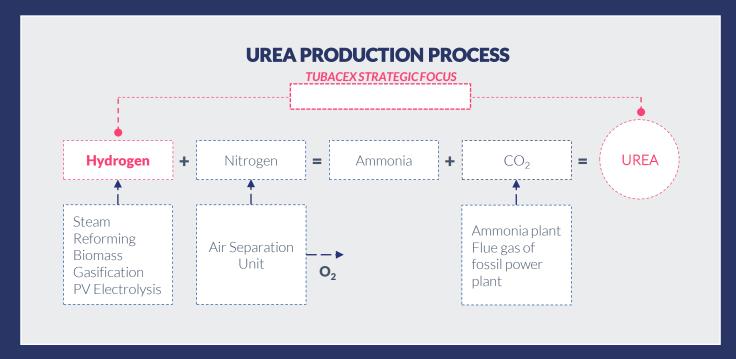
- New steel grades for the urea synthesis process
- Very close relationship with technologists

 Need for co-development
- Long validation processes
- ✓ Need to manufacture and supply the full range of materials

 (plates, flanges, fasteners, welding material...).

(plates, flanges, fasteners, welding material...). Not only products manufactured by Tubacex, but also by industrial partners







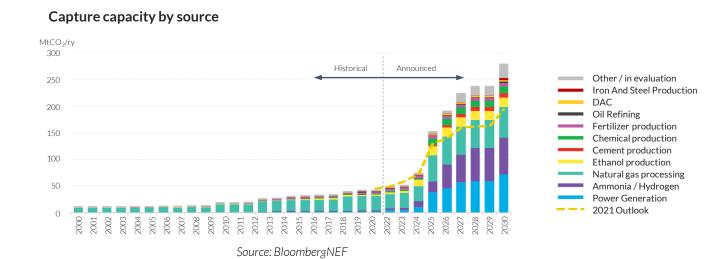
CARBON CAPTURE FOR TUBACEX

2 CARBON CAPTURE

CO₂ CAPTURE & STORAGE

CCS steps

Capture Compression Transport Storage



- Substantial increase in demand of CRA downhole tubulars due to corrosive environment
- Different conditions and new technical challenges compared to Oil & Gas, bring opportunities for technical development and optimization. Ongoing collaborations
- New players, and demand for tubulars along the value chain, create opportunities for new business models, with an integrated approach



POSITIONING AS A FULL SERVICE SUPPLIER



CIRCULAR ECONOMY

coatings

BIOFUELS/SYNTHETIC FUELS/BIOPLASTICS

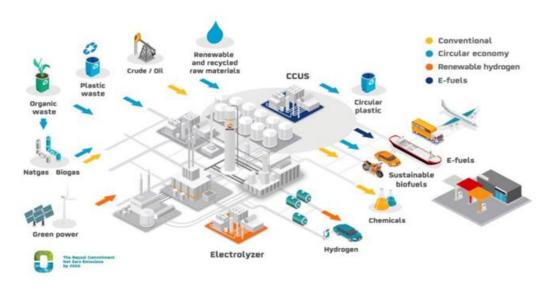


PARADIGM SHIFT: FROM REFINERY TO ENERGY HUB

- THE INCREASED COMPLEXITY OF THE PROCESSES is driving a new CAPEX cycle, with smaller and more diverse projects
- THE PROCESS OF WASTE LEADS TO HIGHER CORROSIVITY AT THE INITIAL STAGES, so more nickel alloys are required. This is also an opportunity for ceramic
- LOWER EMISSIONS AND HIGHER EFFICIENCY HYDROGEN PRODUCTION

will increase demand for stainless steel tubulars and high-end alloys (e.g.: 699XA)

CO₂ CAPTURE, AND TRANSPORT AND STORAGE
will increase demand for more products within the Tubacex portfolio



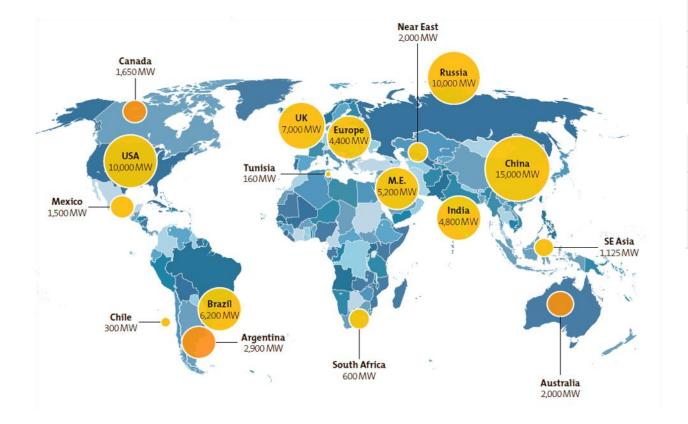
Source: Repsol



SMALL MODULAR REACTORS

NUCLEAR ENERGY

The size of the potential global SMR market is expected to be approximately 65-85GW by 2035, valued at £250-£400bn* (Source: UK National Nuclear laboratory)



2020-2030

SIZE (MWe)	MODEL	COMPANY	COUNTRY	TYPE OF REACTOR	INTEGRATED 5G (Y/N)
5	E-VINCI	WESTINGHOUSE	USA	PWR	Υ
440	UK SMR	ROLLS ROYCE	UK	PWR	N
60	VOYGR	NUSCALE	USA	PWR	Y
300	BWRX-300	GE-HITACHI	USA	BWR	Υ

2030-2040

SIZE (MWe)	MODEL	COMPANY	COUNTRY	TYPE OF REACTOR	INTEGRATED 5G (Y/N)
300	SSR-WWATSS	MOLTEX	USA	MSR	Υ
200	IMSR	TERRESTRIAL- ORNL	CAN	MSR	Υ

TUBACEX STRATEGY:



Early engagement with designers



Co-development of tubular components



Prototypes manufacturing and validation



⁴ NUCLEAR

^{*} Estimated equivalent in Euros at current exchange rate: €287-459bn

INNOVATION STRATEGY APPROACH

CAPITAL MARKETS DAY 14.55



COMPETITIVENESS
Improve the competitiveness of our current offering



NEW PRODUCTS/TECHNOLOGIES

Develop new products/technologies for the emerging energy transition topics



SUPPLY CHAIN

Move up in the supply chain to provide a more integrated/higher value proposition



Decarbonize our own operations

DECARBONIZE



NEW BUSINESS LINES

Create new business lines through partnerships with technological leaders or breakthrough innovators



TUBACEX LOW CARBON BUSINESS UNIT

CAPITAL MARKETS DAY

NOVEMBER 21st, 2023

Miguel Gómez Lacabex

Corporate Business Development Director Managing Director Low Carbon



INTRODUCTION

THE ENERGY TRANSITION BRINGS MANY OPPORTUNITIES LEADING TO AN INCREASED USAGE OF OUR ADVANCED MATERIALS

This background has allowed Tubacex low carbon business unit to launch its operations on different industries where our advanced materials will play a key role

Our Low Carbon vision in this Business Unit is the following:

1 To be used as a platform for growth for all Low Carbon initiatives within the Group

To increase our exposure to key energies in the long-term transition

To help decarbonize our own and our customers' operations

To leverage our position as technical leader of advanced materials looking for synergies with our traditional business

To profitably generate a €100M revenue by 2027

LOW CARBON BUSINESS UNIT: SCOPE

- Specific materials and products developed for Hydrogen applications
- Stainless- Steel high-pressure tubing for most applications
- To develop components for electrolyzers

1 HYDROGEN

2 CARBON CAPTURE

- Unique premium tubular solution for all stages of Carbon Capture
- Integrated OCTG premium solution for CO₂ injection
- Development of specific Steel grades for Carbon Capture applications

- Development of special products and welding technologies for fertilizer applications
- Unique value proposition to serve the urea market

FERTILIZERS & AMMONIA

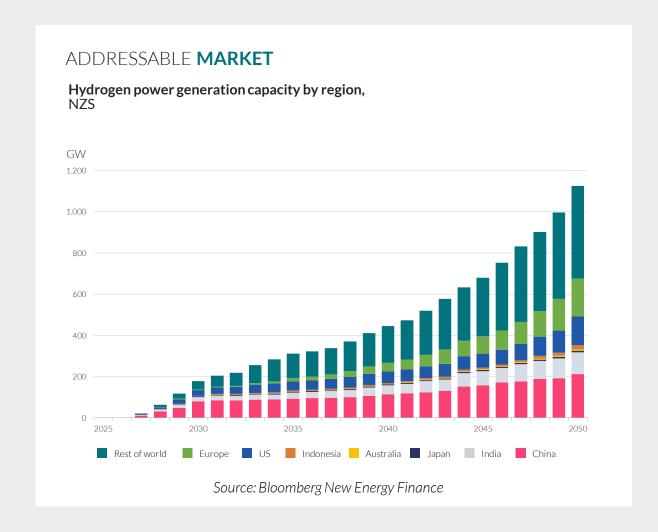
CIRCULAR ECONOMY

- Improved processes efficiency
- Waste-to-energy applications
- To reduce our customers' CO₂ emissions



1. HYDROGEN: SIZE OF THE OPPORTUNITY & TUBACEX STRATEGY









1. HYDROGEN: SIZE OF THE OPPORTUNITY & TUBACEX STRATEGY



TECHNICAL LEADER IN **ADVANCED**MATERIALS



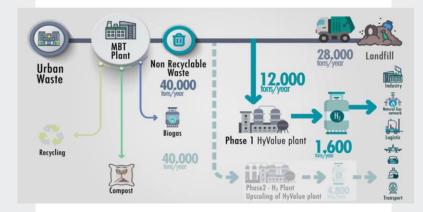
Alloy 699XA

 Increased metal dusting resistance for hydrogen production

Dedicated steel grades

 Improved Hydrogen embrittlement resistance at low temperature. High mechanical strength with increased flow rate

TO LEAD **DISRUPTIVE TECHNOLOGIES**



- Unique technology for waste to hydrogen projects
- Disruptive model that will positively impact municipalities and hydrogen consumers

INTEGRAL TUBULAR SOLUTIONS



- One-stop-shop tubular solutions for the electrolyzer market
- Running project in Spain with Accelera (Cummins)
- Scalability on a global basis

TARGET MARKET SHARE



20-30%



5-10%



10-15%



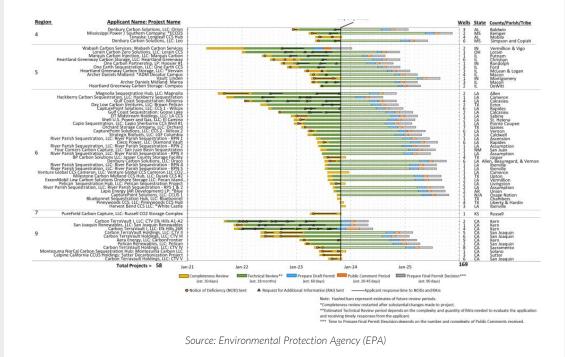
2. CARBON CAPTURE UTILIZATION & STORAGE: AN EMERGING MARKET



WITH SIGNIFICANT POTENTIAL FOR TUBACEX

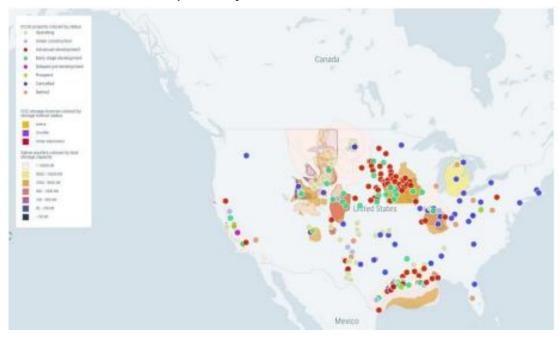
Carbon Capture is becoming a key tool to accelerate the Energy Transition, with a pipeline of projects on execution and planning stages expected to grow exponentially during the next five to ten years

Class VI Permit Tracker 10/27/2023



The US market has positioned itself in a privileged position for developing the required infrastructure to develop the Carbon Capture industry, with the North Sea in Europe and Australasia as other key hubs

US Announced Carbon Capture Projects

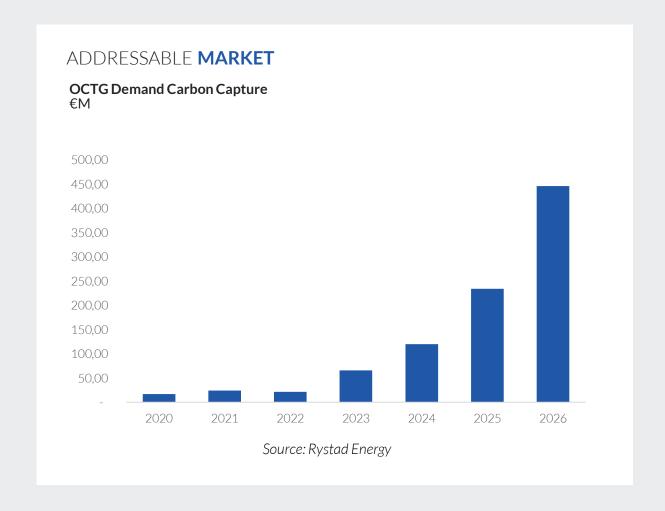


Source: Environmental Protection Agency (EPA)



2. CARBON CAPTURE: SIZE OF THE OPPORTUNITY AND TUBACEX STRATEGY





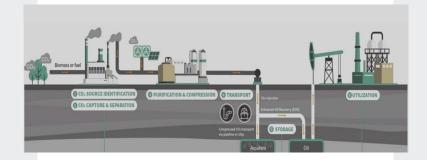




2. CARBON CAPTURE: EXISTING PROJECTS AND ADDRESSABLE MARKET



INTEGRATED TUBULAR SOLUTIONS



- To develop a unique value proposition for advanced materials in the whole emerging Carbon Capture supply chain
- First projects already delivered supplying full set of tubular products in advanced materials (e.g.: Brevik project for Aker Carbon Capture)
- Local presence in key markets (US, Norway) will be required

LEVERAGING OUR POSITION IN CRA OCTG TUBULAR SOLUTIONS





- To continue positioning ourselves as the leading supplier of CRA OCTG tubular solutions for the injection of CO₂ in Carbon Capture projects
- To lead the technical solution of the highly corrosive environment for CO₂ injection
- First projects already in backlog: Summit Carbon Solutions and Verde CO₂

PARTICIPATE IN THE **DESIGN AND ENGINEERING STAGES**



- Carbon Capture is an emerging market that is currently facing technical and administrative challenges as may be expected in any new industry
- Tubacex is leading technical discussions with key players in the sector to bring the operations to the highest level of efficiency in a highly corrosive environment

TARGET MARKET SHARE





30-40%

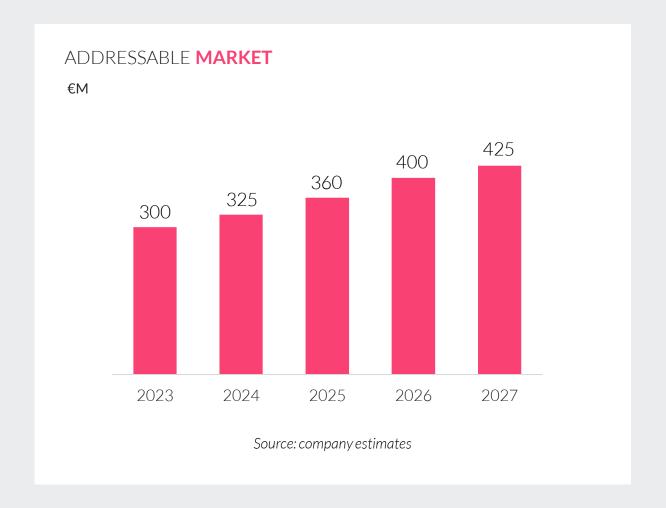


10-20%



3. FERTILIZERS & AMMONIA: SIZE OF THE OPPORTUNITY & TUBACEX STRATEGY









3. FERTILIZERS & AMMONIA: EXISTING PROJECTS AND ADDRESSABLE MARKET



TO INCREASE MARKET SHARE WITH OUR **NEWLY DEVELOPED MATERIALS**



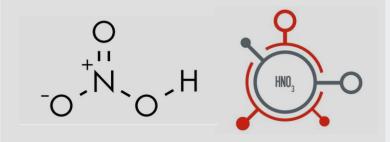
- To develop a strategic agreement with Saipem by leveraging on co-developed Steel grade
- To increase market share by developing an existing strategic agreement with Casale

TO DEVELOP AN INTEGRAL SOLUTION WITH JUST IN TIME DELIVERIES



- Availability as a key differentiating factor from competitors
- To develop existing agreements with third parties to ensure complementary products: forgings, wire, ferrules, etc.
- Service Center in Italy as a key hub for technological partners

TO APPROACH NEW INDUSTRIES WITH SIMILAR TECHNICAL CHALLENGES



- To leverage on existing platforms for urea market to approach adjacent industries: nitric acid
- To look for the right partnerships

TARGET MARKET SHARE





30-40%





4. CIRCULAR ECONOMY: TUBACEX STRATEGY





Source: Repsol

The pursuit of a reinforced circular economy is leading to significant technical challenges that require advanced materials like ours

In parallel, Tubacex has also developed innovative products that aim to reduce the CO_2 emissions of our customers





4. CIRCULAR ECONOMY: TUBACEX STRATEGY



TO REDUCE THE CO₂ EMISSIONS OF OUR CUSTOMERS



- To continue with the penetration of our advanced coatings, thus drastically reducing CO₂ emissions of high emitting industries
- Recent customers include Aramco, Exxon, BP, Shell, ENOC

TO LEAD THE TECHNICAL **CHALLENGES OF**THE CIRCULAR ECONOMY



- Waste to any kind of energy leads to higher levels of corrosion where our advanced materials are increasingly used
- Biofuels, synthetic fuels and bioplastics are generating a stronger market share for our products' portfolio
- We expect disruptive technologies to be developed in this area where we will play a key technical role

TARGET MARKET SHARE



(1) Patented solution



10-20%



LOW CARBONBUSINESS UNIT

CONCLUSIONS



RUNNING BUSINESS

Tubacex Low Carbon is a reality with existing sales in different applications



GO TO MARKET STRATEGY

We have a clear Go To Market strategy and value proposition for our existing four targets (Carbon Capture, Hydrogen, Fertilizers & Ammonia, and Circular Economy)

OUR COMMITMENT

SIGNIFICANT VALUE CREATION FOR THE GROUP

TO ACHIEVE €100M SALES BY 2027, WITH 1/3 OF THE GOAL EXPECTED TO BE ACHIEVED ALREADY IN 2024

EBITDA MARGIN OF THE UNIT EXPECTED TO STAND AT A 20% LEVEL BY 2027



THE **LOW CARBON UNIT**

THE LOW CARBON UNIT HAS BEEN CREATED TO ACCOMPANY
OUR CURRENT CUSTOMERS



The Low Carbon global market is **expected to grow exponentially**



We hold a conservative approach; however, the energy transition will be a reality regardless of the speed at which it occurs



Low Carbon could become one of Tubacex's **most important business in the future**

READY TO ADDRESS ENERGY TRANSITION CHALLENGES





ENERGY DEMAND INCREASE

To secure a sustainable, affordable and reliable energy

RENEWABLES & CONVENTIONAL ENERGY **NEED TO COEXIST**

To develop low carbon emissions sources of energy (Carbon Capture, Hydrogen, Biomass, etc.)

HUGE EFFORT IN CO₂ REDUCTION

To decarbonize current processes

AT TUBACEX WE ARE A RELEVANT PLAYER IN THE ENERGY TRANSITION, CONTRIBUTING TO SECURE ENERGY SUPPLY





NEW TUBACEX





A GLOBAL LEADER IN ADVANCED INDUSTRIAL SOLUTIONS FOR ENERGY AND MOBILITY

THE NEW TUBACEX

A UNIQUE POSITION



Solid financial results (nine consecutive quarters of improved results)



2021-2025 plan executed under normal market conditions



Privileged position within the industry to take advantage of current expansion cycle

- Successful cost reduction project
- Organic ADNOC project replaces anticipated growth through M&A in the plan
- Significant growth in Low Carbon products, aligned with energy transition



Industry growth and current backlog allow to anticipate strong results and cash generation period



The current perimeter allows us to meet strategic objectives



Firm commitment to sustainability principles that has led us to become a point of refence in our sector



Multi-energy and mobility. Providing solutions for all technologies





- ROOM FOR **MARKET SHARE INCREASE**
 - In certain products where we already hold a strong market position
- SUBSTANTIAL GROWTH OPPORTUNITIES IN





NUCLEAR PROJECTS



AERONAUTICS &
SPACE EXPLORATION



INDUSTRIAL APPLICATIONS

- O DIVERSIFICATION THROUGH M&A
- FINANCIAL PARTNERSHIPS TO SHARE NEW INVESTMENTS IN NEW SEGMENTS
- UNLOCKING THE VALUE OF **R&D DEVELOPMENTS**



COMMITTED TO MEETING EVEN MORE AMBITIOUS TARGETS

NT² 2027 TARGETS

THE **N**EXT **T**RANSITION



REDUCE OIL & GAS EXPOSURE

TO 1/3 OF THE BUSINESS



MARKET LEADERS IN LOW CARBON BUSINESS



TO BE A POINT OF REFERENCE IN SUSTAINABILITY

THE **N**EW **T**UBACEX



REVENUE **€1,200-1,400M**

Including potential investment in inorganic growth (M&A)



EBITDA >€200M

Including potential investment in inorganic growth (M&A)



NFD / EBITDA

<2X

Including potential investment in inorganic growth (M&A)

SHAREHOLDERS' REMUNERATION: 30-40% PAY-OUT



MANAGEMENT **TEAM**

EXTENSIVE EXPERTISE AND A PROVEN TRACK RECORD





















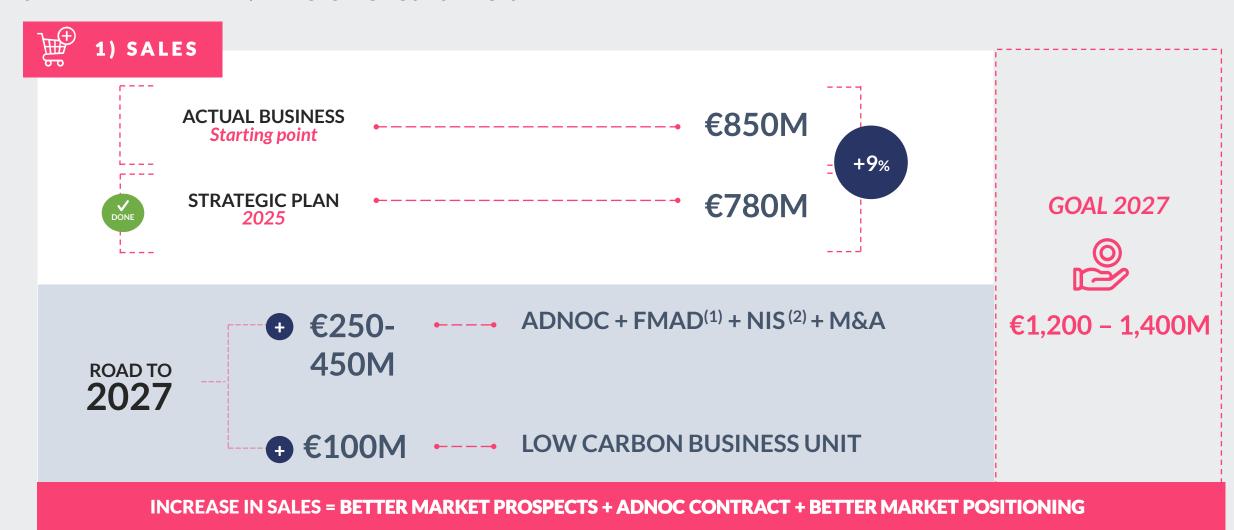






P&L TRANSFORMATION PATH: 2024-2027

UNDER NORMAL MARKET / MID-CYCLE CIRCUMSTANCES

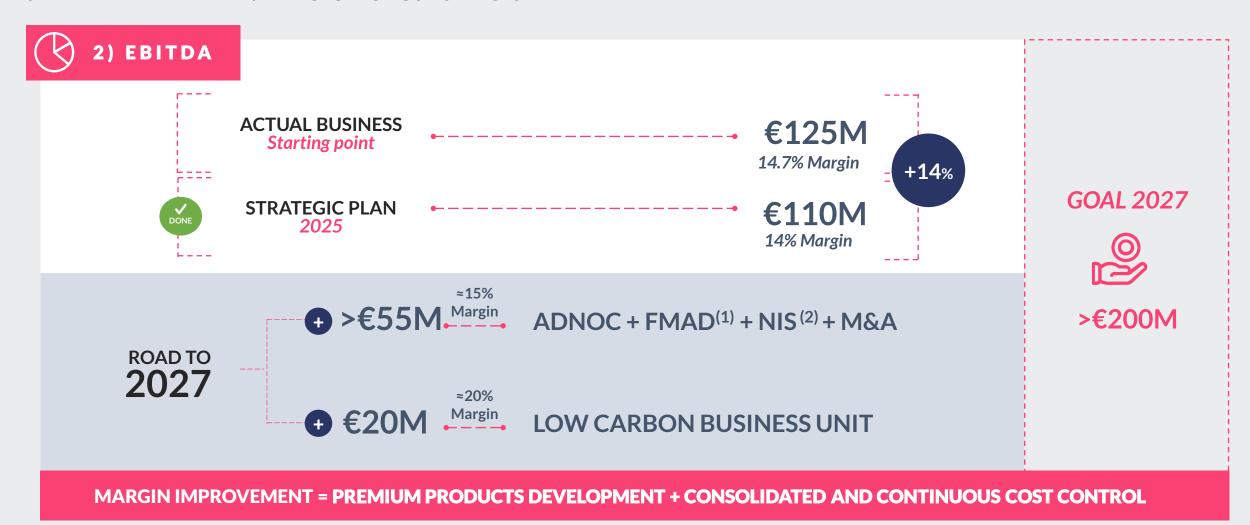


 $(1) FMAD: Framework \, agreements \, development \, / \, \, (2) NIS: New \, Industrial \, Solutions$



P&L TRANSFORMATION PATH: 2024-2027

UNDER NORMAL MARKET / MID-CYCLE CIRCUMSTANCES



(1)FMAD: Framework agreements development / (2)NIS: New Industrial Solutions



P&L TRANSFORMATION PATH: 2024-2027

UNDER NORMAL MARKET / MID-CYCLE CIRCUMSTANCES





GOAL 2027



>60%

MAINTAINING CONVERSATION RATIO > 60% THANKS TO INCREASE OF EBITDA AND FINANCIAL EXPENSES REDUCTION

*Operational Free Cash Flow: EBITDA - Financial Expenses - Maintenance Capex - Leases IFRS 16



BALANCE SHEET TRANSFORMATION PATH: 2024-2027

UNDER NORMAL MARKET / MID-CYCLE CIRCUMSTANCES



AVERAGE MAINTENANCE CAPEX Current perimeter

= €21M

2024-2027 AVERAGE TARGET

€25-30M

'ONE - OFF' **CAPEX**

---• €10M + LOW CARBON BUSINESS UNIT ►----+ GROWTH IN ADVANCED TECHNICAL SOLUTIONS •---- €20M + ABU DHABI PLANT •----• €90M

€120M €30M/YEAR

AVERAGE ANNUAL CAPEX ≈ €60M



BALANCE SHEET TRANSFORMATION PATH: 2024-2027

UNDER NORMAL MARKET / MID-CYCLE CIRCUMSTANCES



BALANCE SHEET TRANSFORMATION PATH: 2024-2027

UNDER NORMAL MARKET / MID-CYCLE CIRCUMSTANCES



3) GROSS FINANCIAL DEBT QUALITATIVE STRUCTURE

	ACTUAL BUSINESS Starting point	TARGET 2027
NET WORKING CAPITAL / SALES	28% Strategic Plan 2025≤30%	≤ 30%
FINANCIAL COST / SALES	3.5%	≤ 1.5% To be accomplised before end of 2025
EQUITY / TOTAL ASSETS	25%	≥ 35% To be accomplished before end of 2025
LONG-TERM / SHORT-TERM (1)	47%	70%
ESG LINKED FINANCING / TOTAL GROSS DEBT	40%	80%
(1)Excluding Promissory notes	<u> </u>	<u>L</u>

SHAREHOLDERS' VALUE CREATION

% APPRECIATION OF TUBACEX'S SHARE 2022	+33%	
% APPRECIATION OF TUBACEX'S SHARE YTD 2023	+48%	
AVERAGE TARGET PRICE (1)	€4.5/SHARE (+50% CURRENT PRICE)	
POSITIVE RECOMMENDATIONS FROM ANALYSTS	100%	
COMMITTED PAY OUT RATIO	30%-40%	

Illustrative example

EBITDA 2027

COM ▼ 7x EV/EBITDA

E 1,400M ENTERPRISE VALUE

- 1x-2x NFD/EBITDA

€1,000M - €1,200M EQUITY VALUE

7.9 - 9.5 EURO/SHARE

STILL ROOM TO IMPROVE IN THE MARKET

(1) Average target price on November 20th according to the market consensus



MAIN FINANCIAL MESSAGES FROM CFO

KEY DRIVERS: ROAD TO 2027

1

INCREASE IN SALES



better markets prospects



ADNOC contract



better market positioning

2

MARGIN IMPROVEMENT



premium products development



consolidated and continuous cost control

3

2025 strategic targets exceeded without M&A activity

just thanks to framework agreements developments in OCTG, SURF, H&I, Nuclear and Aerospace 4

Our starting point is unprecedented "solid ground"



Backlog exceeding €1.6bn concentrated in High value /margin products

FOUNDATIONS LAID TO WITNESS ANOTHER PERIOD OF PROFITABLE GROWTH FOR TUBACEX AND ITS SHAREHOLDERS





DRIVING TUBACEX'S TRANSFORMATION SUCCESS STORY TOWARDS THE NEXT TRANSITION

CAPITAL MARKETS DAY

NOVEMBER 21st, 2023



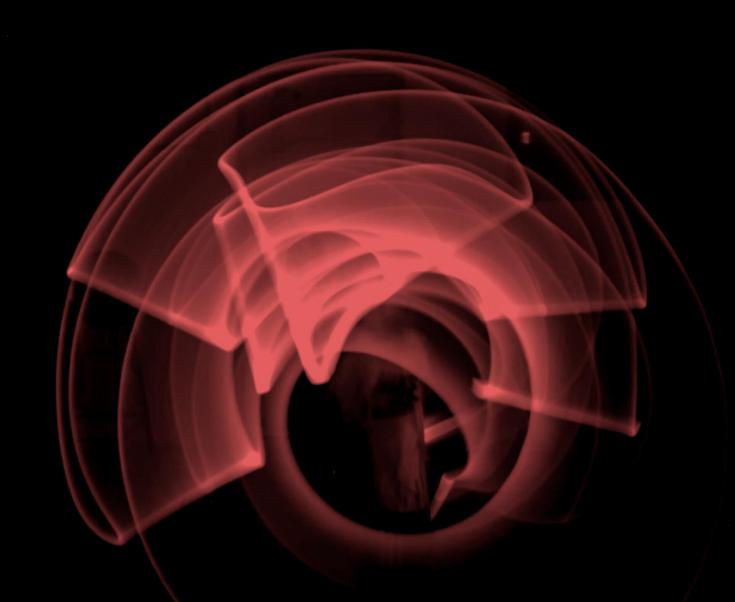
TUBACEX **CONCLUSIONS**

CAPITAL MARKETS DAY

NOVEMBER 21st, 2023

Jesús Esmorís CEO





BE PART OF THE NT2

REASONS TO INVEST IN TUBACEX

DRIVING SUSTAINABLE VALUE AND ENTERING INTO A NEW PHASE OF VALUE CREATION FOR OUR SHAREHOLDERS

- A world leader in unique advanced industrial solutions for energy and mobility
- With a fully integrated production model to capture the long-term growth offered by the macrotrends that are driving both sectors
- Global presence with long-term agreements with strategic partners
- Showing a proven solid track record of transformation, adaptation to the market ahead of trends and goal achievement
- Endorsed by solid results and a strong backlog
- Committed to human progress through strong sustainability objectives

NT² 2027 TARGETS



TO REDUCE OIL & GAS EXPOSURE TO 1/3 OF THE BUSINESS



MARKET
LEADERS IN
LOW CARBON
BUSINESS



TO BE A POINT OF REFERENCE IN SUSTAINABILITY



E1,200-1,400M

Including potential investment in inorganic growth (M&A)



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