DIME – Rig Direct® (Just in Time)

Value Proposition for HOKCHI ENERGY S.A. DE C.V.

Worldwide Operations



Global Leader in Pipes for the Oil & Gas Industry

Serving the world's energy industry and other industrial applications

5.3

US$ billion

Annual net sales
(2017)

18

Countries

Manufacturing facilities

5

R&D Centers

Worldwide

4

Stock exchanges

New York
Buenos Aires
Italy
Mexico

22,000

Employees (approx.)

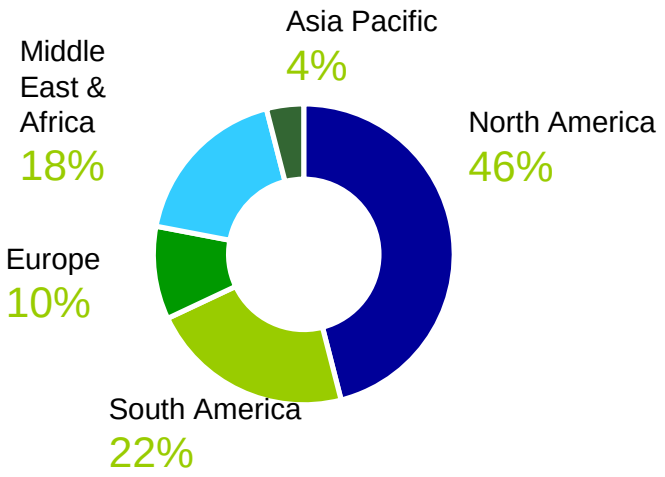
(2017)

30

Countries

Services and distribution network

Sales by Region



Integrated Industrial Management

4	Electric steel shops
13	Seamless rolling mills
25	Welded tube mills
53	Heat treatment lines
103	Premium threading lines
6.3	Million tons of steel pipes

3.7 Million tons of seamless pipes

2.6 Million tons of welded pipes

ISO 9001:2015

Single Quality Management System

ISO 14001 and OHSAS 18001

Single HSE Management System

Market Segments

Leading global manufacturer and supplier of tubular products and services used in:

- Drilling, completion and production of oil and gas
- Transportation of oil and gas
- Process and power plants
- Specialized industrial and automotive applications



OCTG



Premium Connections



Line Pipe for Offshore and Onshore applications



Hydrocarbon Processing



Power Generation



Industrial & Automotive

TenarisTamsa

TenarisTamsa, one of **the leading manufacturers of seamless steel pipes and accessories for the energy industry** in Mexico for the last 60 years, has considerable experience in some of the most complex deepwater and unconventional oil and gas projects. Its one-of-a-kind Research and Development Center places it at the forefront of technological innovation, enabling the design and production of eco-friendly products and services.

These accompany the world leaders in oil and gas exploration and production as they tackle tougher challenges in some of the most hostile parts of the globe.

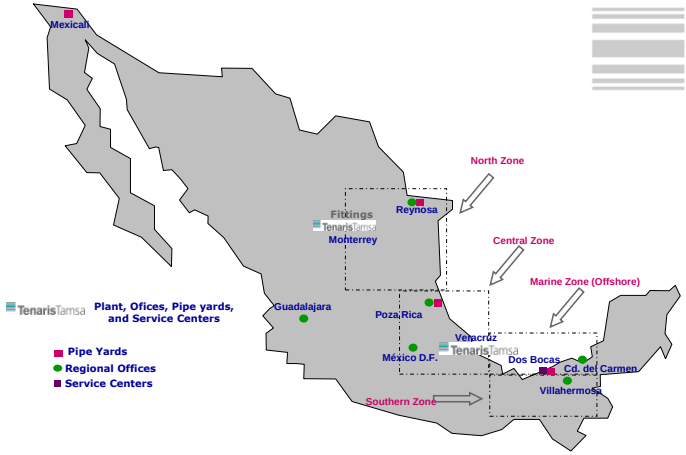


TenarisTamsa Mexico

- 1 electric steel shop.
- 3 SMLS rolling mills (including new state-of-the-art small OD rolling mill).
  - 5 heat treatment lines.
  - 13 premium connections and 6 API threading lines.
- 1 accessories threading plant
- 1 sucker rods plant

Products

» OCTG (Seamless)
  – Casing, Tubing, DP
  – API & Premium connection
» Line Pipe (Seamless)
  – Coating available
» Other products:
  – Sucker Rods
  – Coil Tubing
  – Accessories (Pup Joints, X-overs, etc.)



Services

» Delivery of pipe Rig Direct (Rig Direct® (JIT)) at well site
» Rig Return Management
» Threading services
» Oilfield Services
  – Supply Planning and Coordination
  – Refurbishment management
  – Re-stocking
  – Technical Assistance
  – Special thread inspection and make up at pipe yard
» Running Service Assistance onshore
» Technical Support and string design

TenarisTamsa's Presence



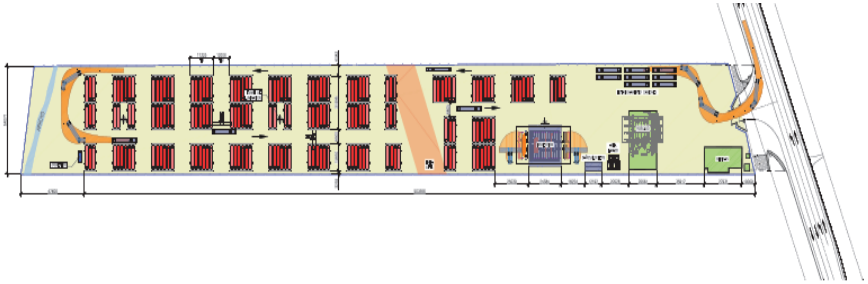
RigDirect™ in Mexico

Main benefits

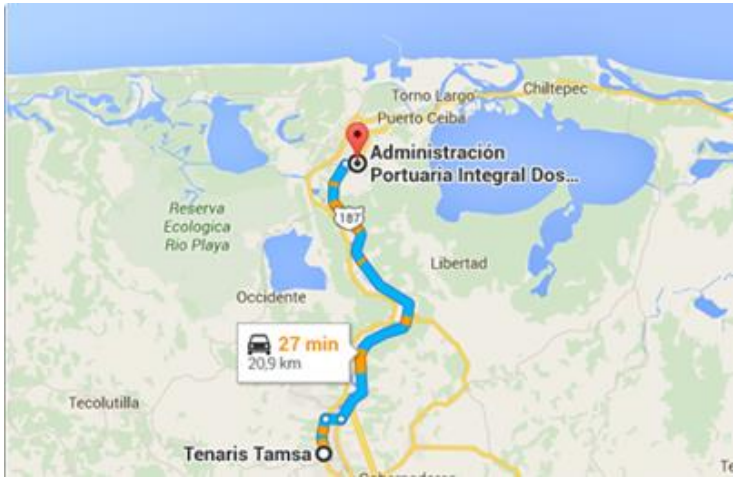
- Yard to prepare material
- Dedicated stocking area
- Proximity to area of activity
  - Comalcalco Yard / Dos Bocas Port.
  - Tamsa Mill / Coatzacoalcos.

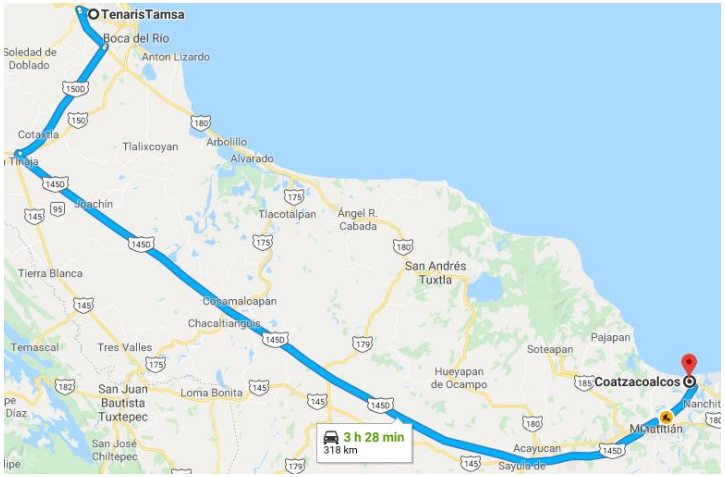
Layout

General layout

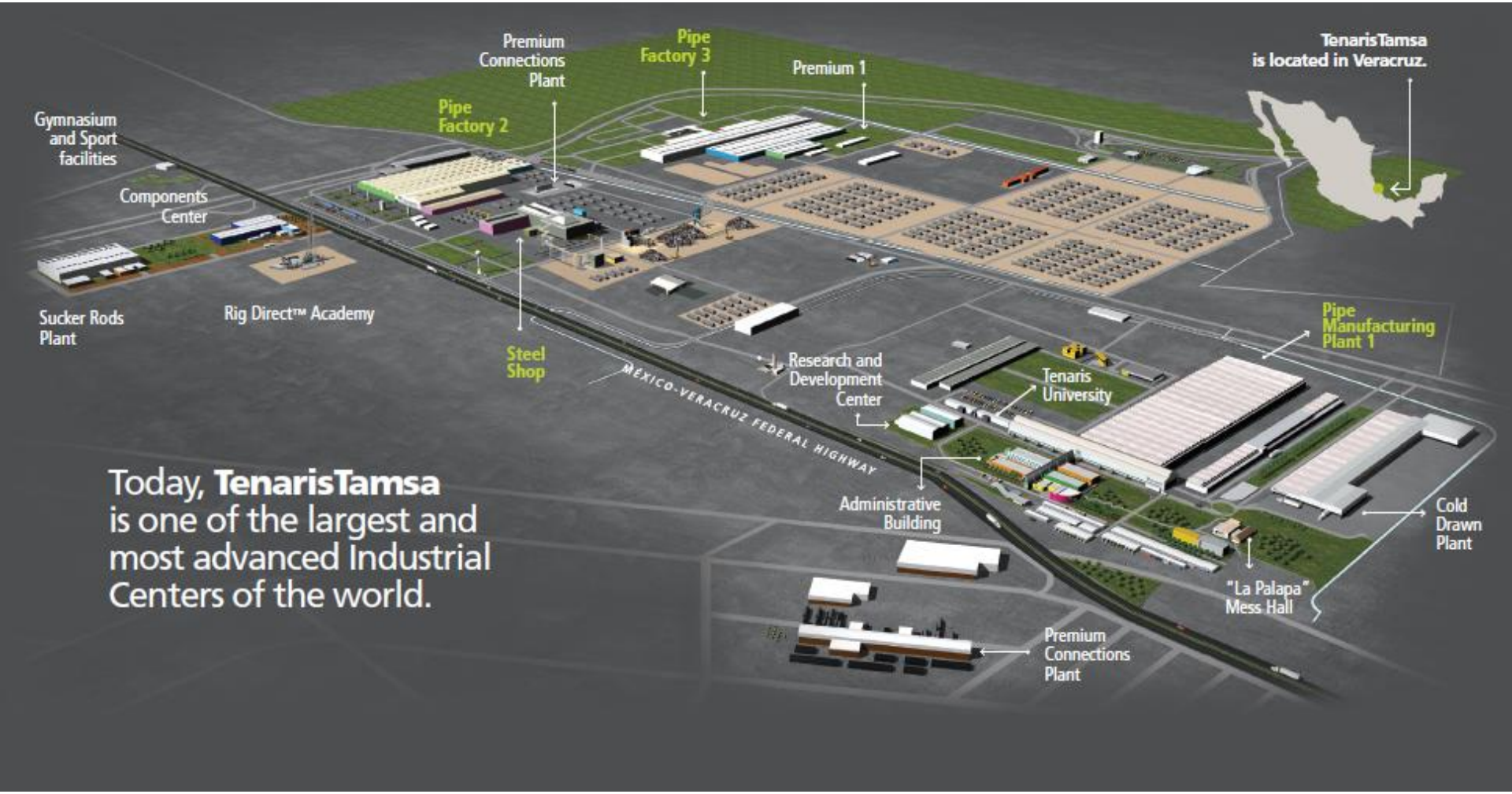


Distance to API's Warehouses





Industrial Center



Products and Services

Seamless tubular solutions

- Dimensional Range from ¼" to 20"
- Casing, drilling, tubing and line pipe in different steel grades
- Specialists in producing high strength steel resistant to corrosion, collapse and HT/HP
- Premium Connections
- Sucker rods
- Supervision and pipe running services

Certifications

- ISO 14001:2015
- OHSAS 18001:2007
- LEED®
- ISO 9001:2015
- ISO/TS 16949:2016
- ISO 17025

Licenses

- API 5DP
- API 5L
- API 5CT
- API 11B

Norms

- NRF -001 (Pemex)
- LAPEM
- ASME
- ASTM
- DIN
- DNV
- GOST-R
- GOST-K



TenarisTamsa