



engineering  
trasporto sollevamento



# Jib cranes

The way to lift your ideas

# THE COMPANY

ETS is a Leading Company for the manufacturing of Lifting Devices dedicated to the OIL & Gas market both On-Shore & Off-Shore.

ETS main responsibility is towards the continuous improvement of the quality of the product with special attention to environment and safety.

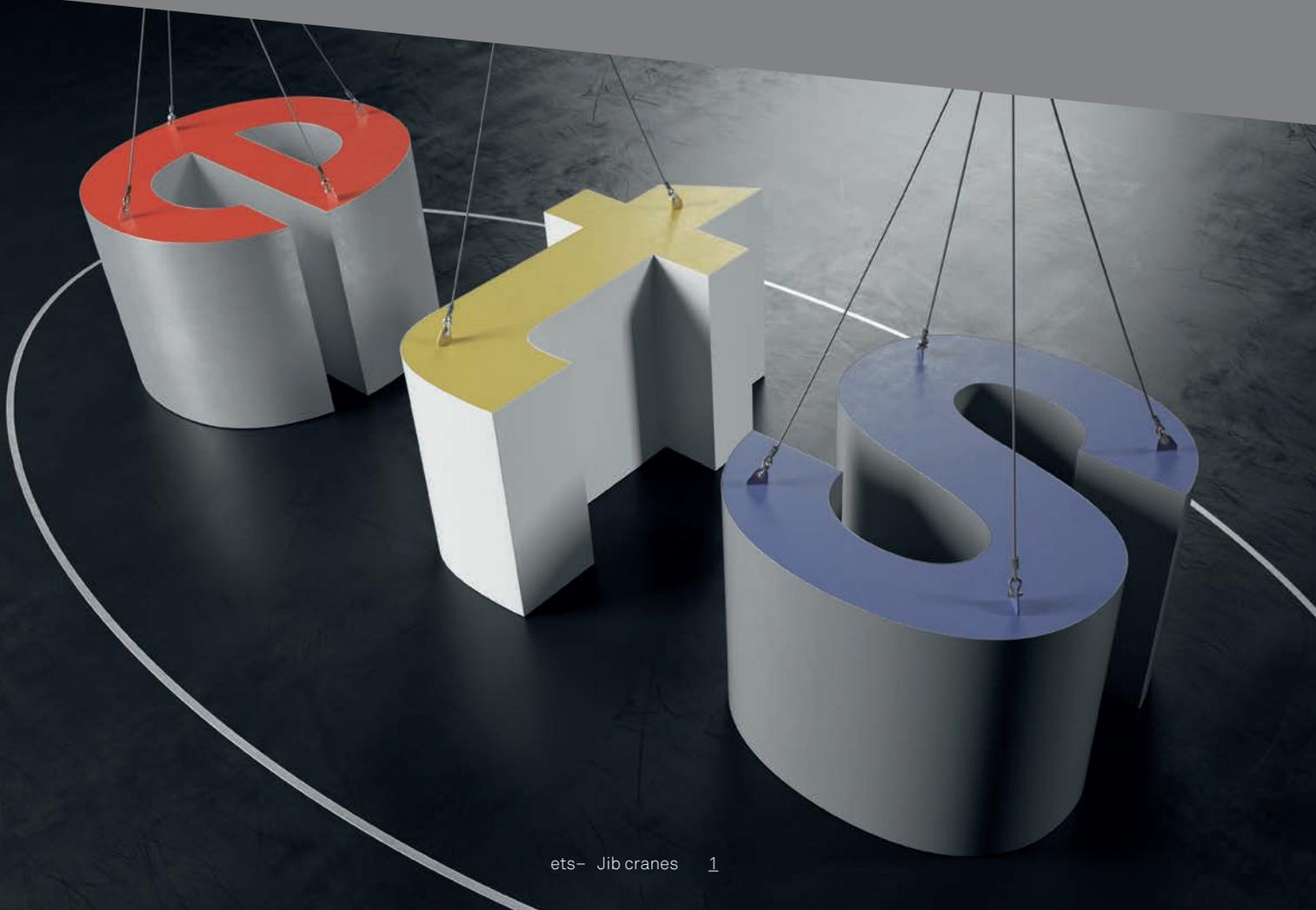
Modern technologies, constant training and commitment are the key factors that complete the great experience matured in the lifting sector after more than 40 years of activities.

Each achievement is the lifeblood for a new challenge.

Commitment, expertise, flexibility, innovation make ETS one of the most fair and dynamic companies of this sector in Europe with thousands of projects awarded all over the world for all major EPC companies.

Follow us in our daily endeavor to study, design and realize for you.

THE WAY TO LIFT YOUR IDEAS.



# QUALITY

ETS Engineering Spa besides the design and production of cranes and hoists in accordance with Machine Directive 2006/42/EC, is also to design and produce cranes and hoists in accordance to European Directive Atex 2014/34/EU.

ETS is certified ISO 9001, ISO 14001 and OHSAS 18001 and notified through Bureau Veritas for the production of explosion-proof cranes with deposit of Technical File of Risk Analysis as prescribed by the Annex VIII of Atex Directive.

All products ETS satisfy safety requirements for explosion-proof areas Group II and Category 2 a 3 (Zone 1 and Zone 2 for Gas plus Zone 21 and 22 for Dust).

The explosion-proof classification comply with Exd and Exd/e enclosure protection.





## THE SERIES COLUMN AND WALL MANUAL **JIB CRANES**

These cranes are characterised by the jib rotation lightness obtained by a special bent steel section or in double T profile. The jib rotation is regulated by a registrable breaking device.

Two kinds of jib cranes are manufactured:

- Wall jib cranes
- Pillar jib cranes

Pillar jib cranes must be anchored to the ground with a foundation plinth. Otherwise, expansion screws or suitably dimensioned loose pieces can be used for low capacity. However we recommend the customer to follow our project department 's advice.

- The cranes are endowed with wire rope hoists.
- Rotation field: 200° for wall jib cranes, 300° for pillar jib cranes.
- Manual Jib movements

ETS can design and manufacture jib cranes in accordance to client requirements and specification.

- Max Capacity: 2.000 Kg.
- Jib Length: upon request



## THE SERIES CRANES WITH **ELECTRIC ROTATION**

### Pillar

The pillar is made of a special circular and / or octagonal steel self-bearing section pipe, which guarantees a perfect strength. The pillar is equipped with a base plate at the bottom for the anchoring of the foundation and at the top with a pierced flange adjusted for the fixing of the bearing.

### Rotating jib

According to its capacity and length, the jib is made either of a steel girder with unified section or of a box girder with internal stiffening diagrams. Like the pillar, the jib is endowed with a pierced flange adjusted for the bearing and fixed by means of strong bolts.

### Rotation system

The rotation system are made of a suitably dimensioned thrust bearing which can resist both the vertical thrust and the tilting moment and of a gear unit fixed to the jib, with integral brake's motor, progressive starting and breaking, whose pinion, mounted on the slow shaft, throws into gear with the bearing internal teeth. The mounting system, the precision of the bearing and the gear unit sensitivity guarantee the perfect, smooth jib rotation. The cranes can be endowed with wire rope / chain hoists.

### Field of Application

Industrial, naval and petrochemical also explosion-proof type. Capacity up to 30.000 Kg.to the demands of our customers providing efficient and competitive technical solutions that testify the truthfulness of the slogan that best expresses the philosophy of the company **"The way to lift your ideas"**.





