



IOTTI HYDRAULIC CYLINDERS

WHO WE ARE 2021



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IOTTI Hydraulic Cylinders

About us



IOTTI HYDRAULIC CYLINDERS was founded in the 60s in Reggio Emilia thanks to the entrepreneurial spirit of Giovanni Iotti. The company operates in the Italian and international market, as partner in the production of fluid power cylinders. Thanks to our fifty-year experience in the field, IOTTI HC was able to set off a new development phase and started producing cylinders for applications in the heavy-duty handling sector, as well as for applications in truck cranes and waste compression presses. The growth trend consolidated in more than 50 years of business is confirmed by its turnover and sales that export 90% of the IOTTI HC production to foreign markets.



1963

IOTTI HYDRAULIC CYLINDERS was founded
in Reggio Emilia



The 70s

Corporate development
phase



1982

Giovanni Iotti relocated the business into new areas given the constant growth in production volume, the purpose being to set off mass production of cylinders.

1995

Giovanni Iotti works alongside his son Stefano who started to pursue the production of large cylinders.



The 2000s

IOTTI HYDRAULIC CYLINDERS starts a new development phase and produces cylinders for applications in the heavy-duty handling sector, as well as for applications in truck cranes and waste compression presses.

A growth in turnover and sales take 80% of the **IOTTI HC** production to foreign markets.



72
customers

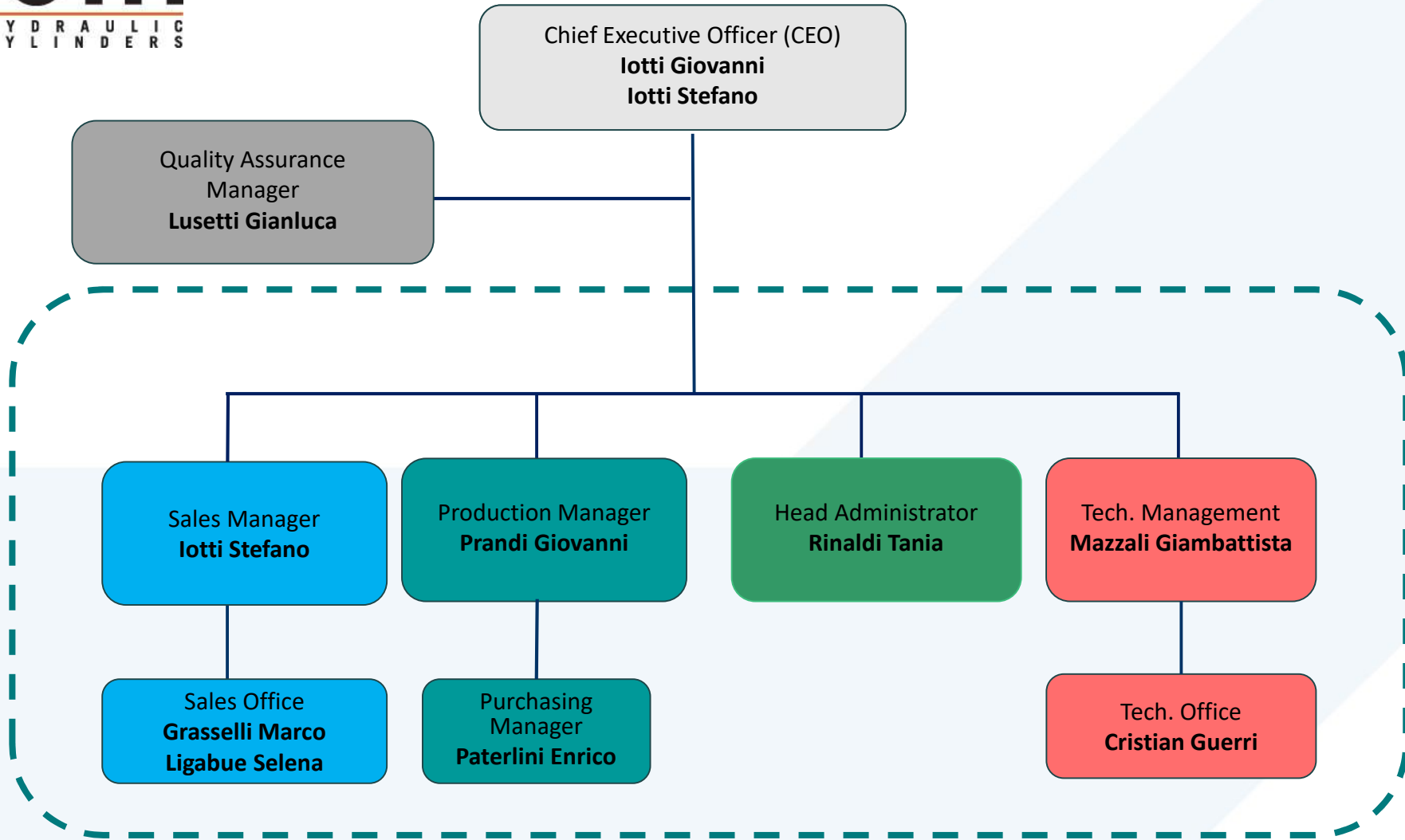
2 plants with
an area of
5,500 sm

42
employees

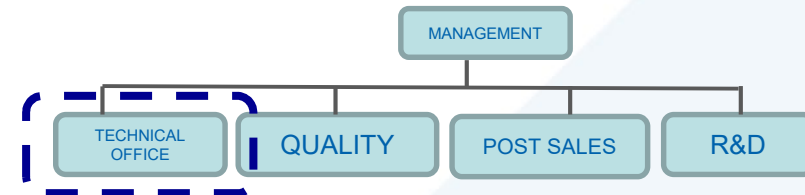
Euro 7,1 MI
in turnover

6 Product
lines

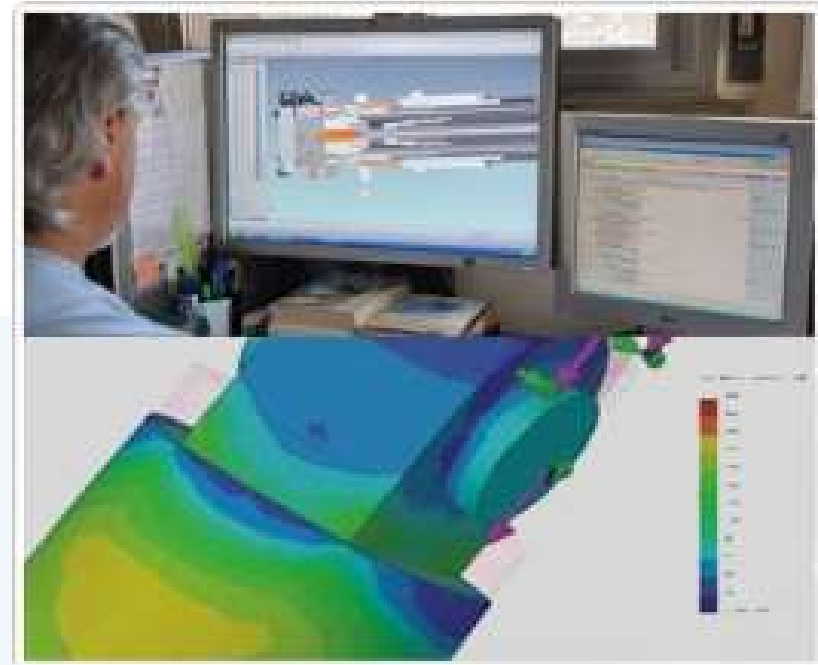
*data refers to year 2019



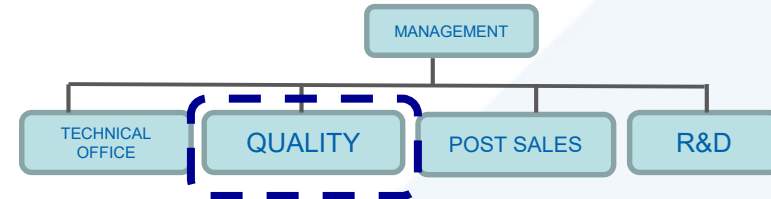
Structure



Our Technical Office is a point of reference where any issue is resolved in relation to the use of fluid power and where any type of fluid power cylinders are designed for any application. Highly advanced 3D systems are used for an in-depth understanding of products.



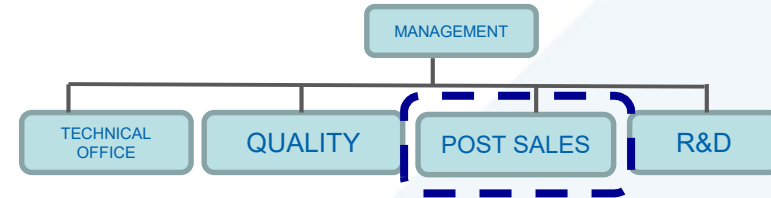
Structure



IOTTI HYDRAULIC CYLINDERS is constantly in the search for utmost quality, as per our certifications of proven achievements. Checks on sealings and on the materials used are conducted in liaison with external labs that certify the validity of the products (ultrasound GRAPHICS, magnetoscopic tests, X-rays, chemical and mechanical analysis, as well as macrographic analysis).

All finished products are inspected through a series of tests that verify pressure tightness.

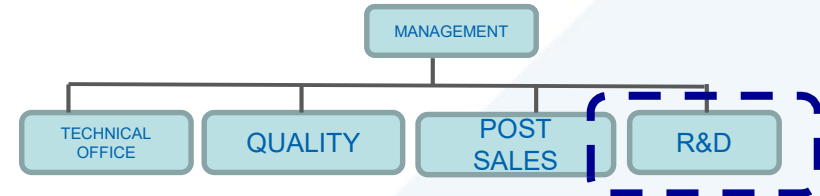




IOTTI HYDRAULIC CYLINDERS is able to guarantee the availability of own products for 18 months of operation without having to make any special arrangements with customers. During this period, assistance is provided to technical staff of Post Sales divisions of own customers for any type of work whether on field, at the customer's premises or at our premises. After the warranty period expires, our company guarantees assistance for the supply of spare parts and overhaul of cylinders even if built by other producers.

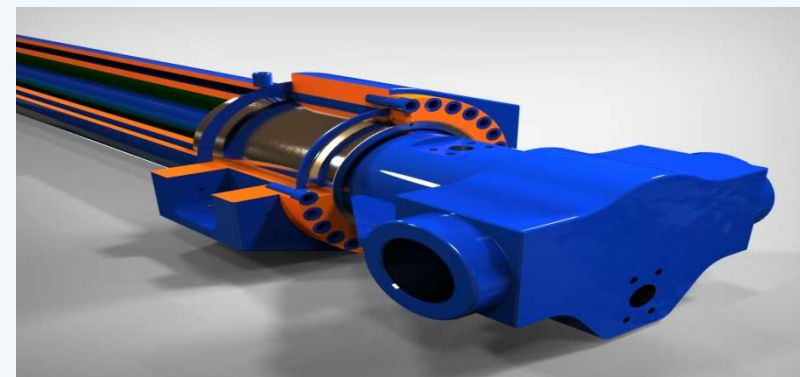


Structure



IOTTI HYDRAULIC CYLINDERS has developed innovative technologies, such as the control of multiple rods through manifolds equipped with electrovalves of the cylinder's stroke using position transducers.

Our strong orientation towards innovation has led the Company to register a series of European Patents in various fields of application.

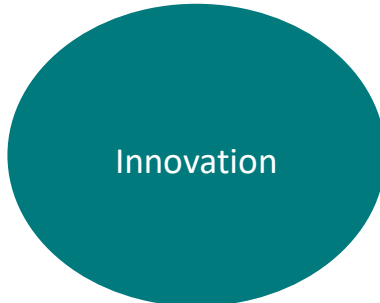




Our Strength



In an increasingly fast-paced market, we are capable of meeting our customers' demands with good responsiveness and flexibility.



Research and development activities are carried out based on the materials and processes used for the realisation of products with special emphasis on sealing.



With more than fifty years in the fluid power sector, **IOTTI HYDRAULIC CYLINDERS** is a competent and reliable partner in the development of fluid power cylinders of any type and for any application.



Highly advanced production systems and machinery allows us to ensure high quality constantly for different production projects.

Lifting cylinders



Technical features

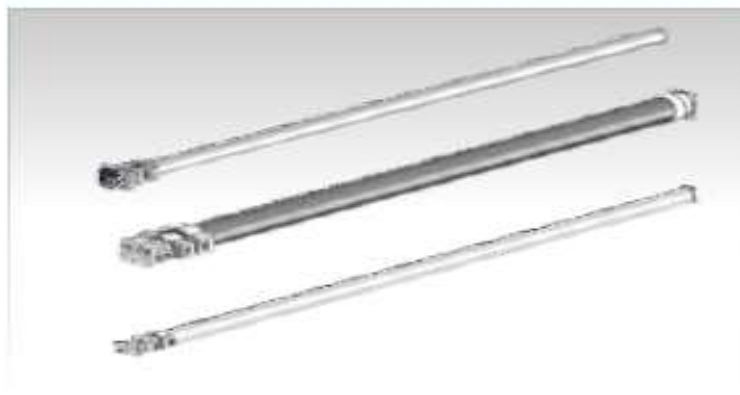
Range specifications

- 80 to 280 mm Bore
- 50 to 240 mm Rod
- Up to 4000 mm Stroke
- Max Pcont 550 bar

Benefits

- Customized fixations
- Never leakage
- Smooth motion
- High quality solution

Telescopic cylinders



Technical features

Range specifications

- 60 to 250 mm Bore
- 40 to 220 mm Rod
- Up to 9500 mm Stroke
- Max Pcont 420 bar

Benefits

- Integrated design
- Rod side control
- Easy assemblage
- Weight saving

Steering cylinders

Technical features

Range specifications

- 50 to 200 mm Bore
- 30 to 180 mm Rod
- Up to 500 mm Stroke
- Max Pcont 350 bar

Benefits

- Easy assemblage
- Hardened rod
- Smooth motion
- Long life



Outrigger cylinders

Technical features

Range specifications

- 50 to 180 mm Bore
- 30 to 150 mm Rod
- Up to 1500 mm Stroke
- Max Pcont 350 bar

Benefits

- Maintenance free
- 50 μ hard chrome
- Floating head
- Cheaper solution



Custom design cylinders



Technical features

Range specifications

- 50 to 900 mm Bore
- 30 to 880 mm Rod
- Up to 13000 mm Stroke
- Max Pcont 600 bar

Benefits

- Customized design
- Stroke control
- Coating for all situation
- High technology solution

Standard cylinders

Technical features

Range specifications

- 30 to 200 mm Bore
- 15 to 140 mm Rod
- Up to 2500 mm Stroke
- Max Pcont 350 bar

Benefits

- ISO 6020/1 standard
- ISO 6020/2 standard
- ISO 6022 standard
- Welded Double Acting standard





IOTTI Hydraulic Cylinders

Applications



Material Handling /
Logistic



Mining / Quarry



Marine / Port Installations



Industrial Equipment



Construction / earth
moving



Agriculture



Material Handling / Logistic

Cranes and Aerial Platform





Material Handling / Logistic

Reach Stacker





Marine / Port Installations



Boat Hoist





Construction / earth moving

Applications

Drilling Machines





Agriculture

Harvester





Industrial Equipment



Dock Leveller



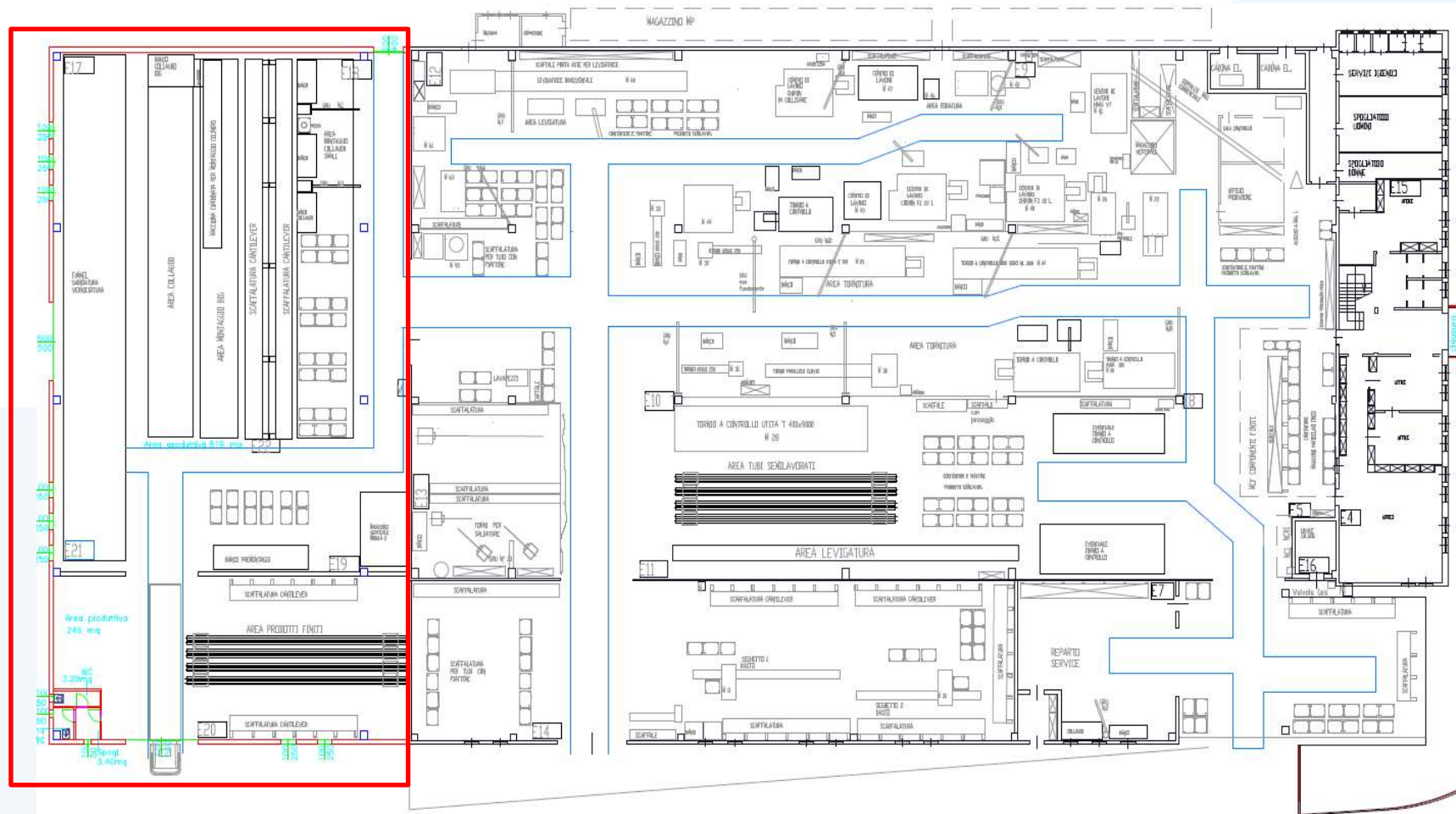


IOTTI Hydraulic Cylinders

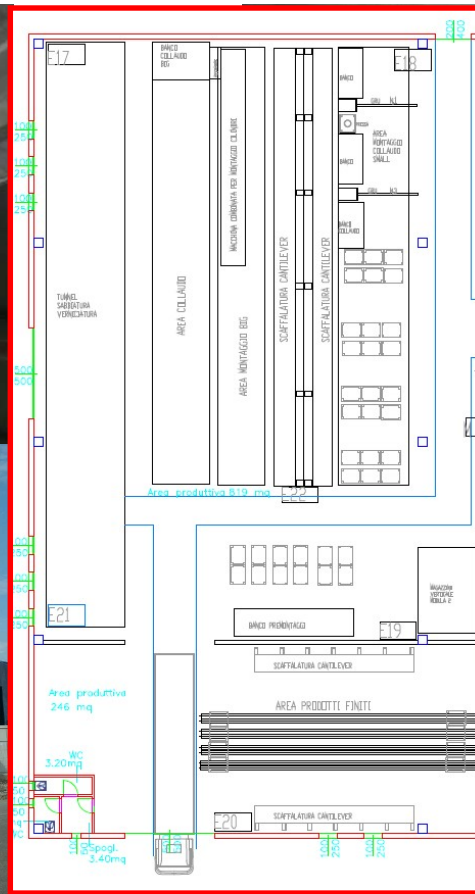
Main Customers



New building

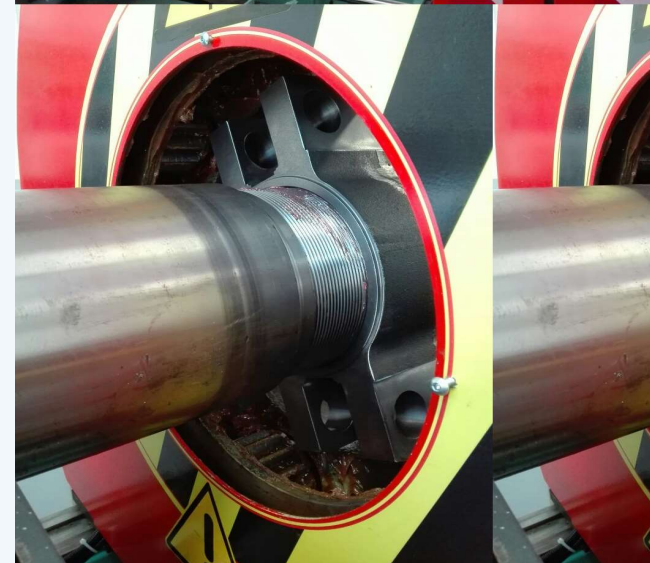
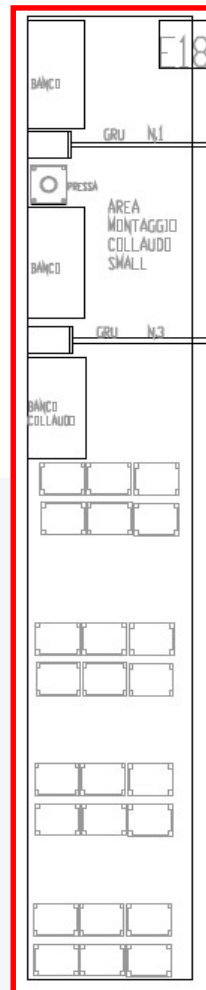


New building

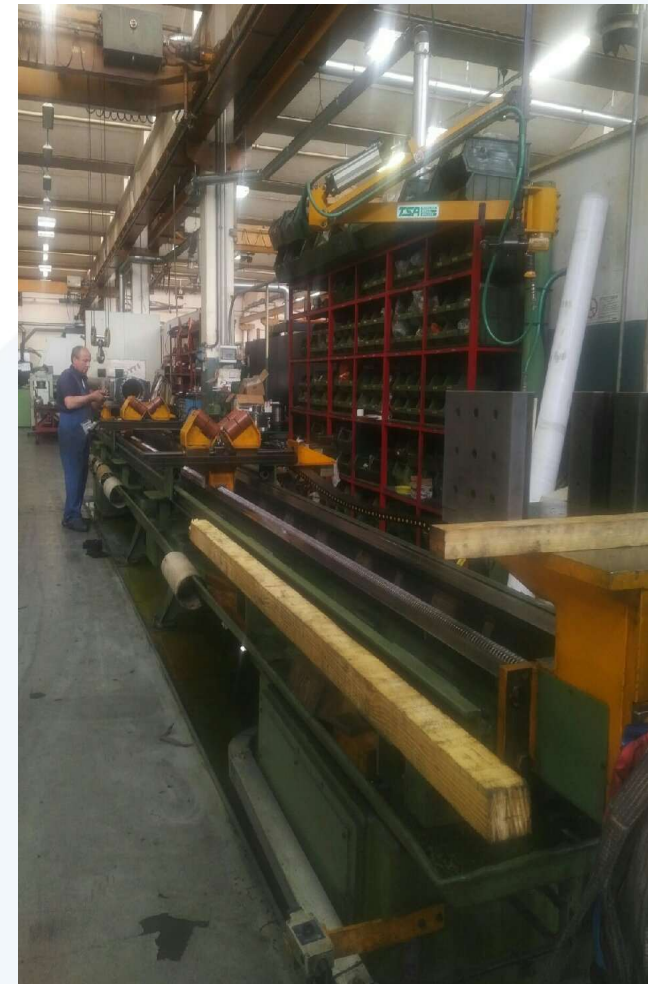
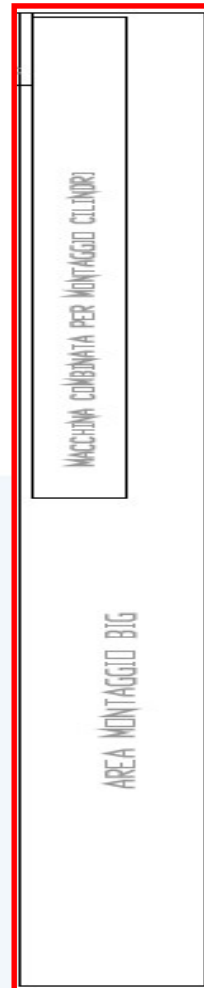


New Layout

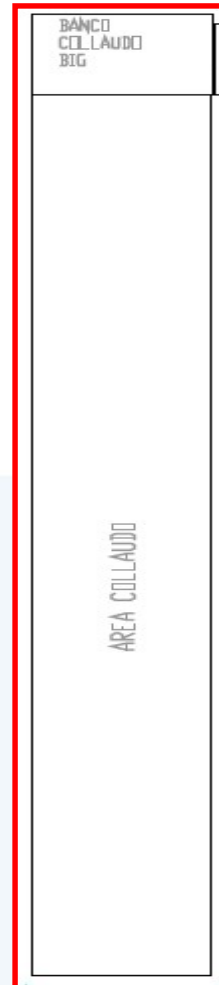
< 3mt stroke cylinders assembling and test area



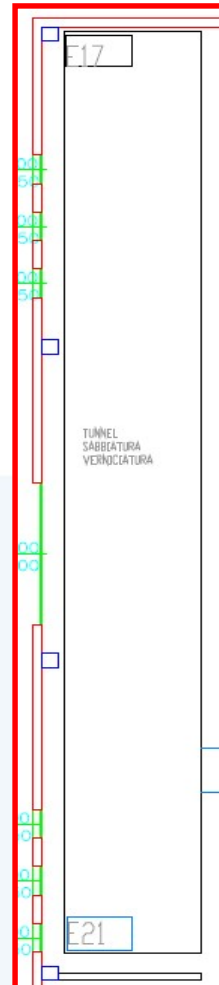
Long stroke cylinders assembling area



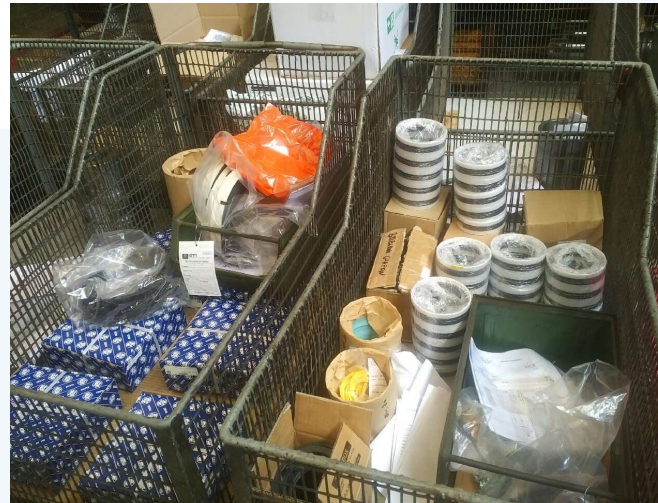
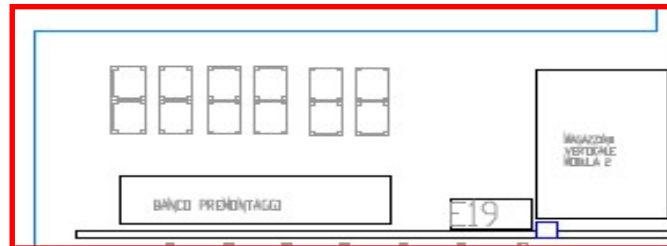
Long stroke cylinders test area



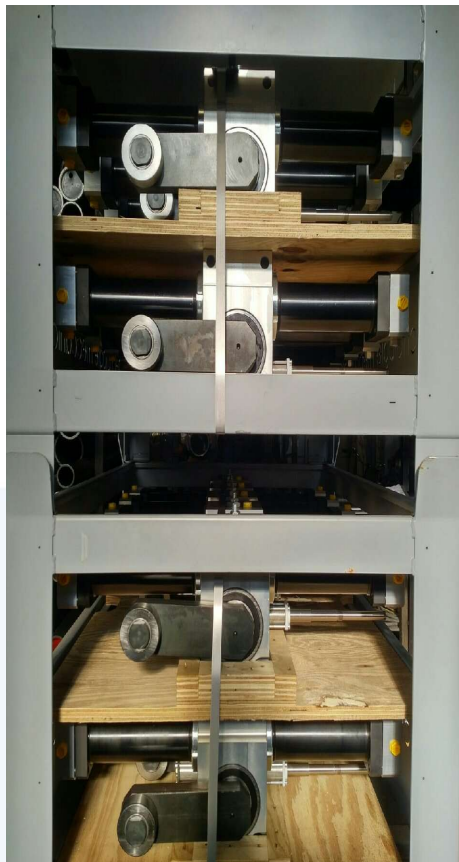
New sandblasting and painting area



Pre-assembling components area



Shipping area



Operations	Available in-house	To be subcontracted
Lathe	up to 700mm diameter up to 9.500mm length	up to 1500mm diameter up to 15.500mm length
Milling/Drilling	800mm x 2.500mm 500mm h.	2000mm x 3000mm 2000mm h.
Honing	40 to 600mm diameter up to 9.000mm length	up to 1500mm diameter up to 15.500mm length
Grinding	120 to 400mm diameter up to 14.000mm length	up to 1000mm diameter up to 15.500mm length
Welding	up to 1500 diameter	not used
Chromium plating		up to 1000mm diameter up to 15.500mm length
Ceramic coating		up to 800mm diameter up to 15.500mm length

Operations	Available in-house	To be subcontracted
Heat treatments		only subcontracted
Assembling	up to 20Ton product	not used
Testing	up to 600 bar	not used
Sandblasting		only subcontracted
Painting	up to 700mm diameter up to 9.500mm length	special painting
3d Design	Solid Works Software	not used
3d Controls	up to 400mm diameter up to 400mm length (Faro)	up to 1500mm diameter up to 6000mm length



Using existing facilities in two shifts

- 1000 Telescopic cylinders per year
- 2000 Boom tilt cylinders per year
- 10.5 Million Euros Turnover

Using existing facilities in one shift

- 550 Telescopic cylinders per year
- 1100 Boom tilt cylinders per year
- 6.5 Million Euros Turnover

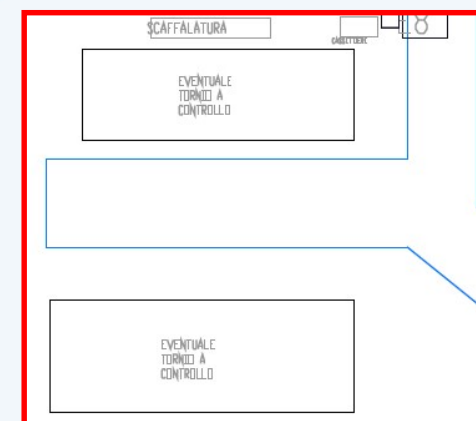




Lathe Puma 400 x 3000mm



Lathe Puma 500 x 4000mm



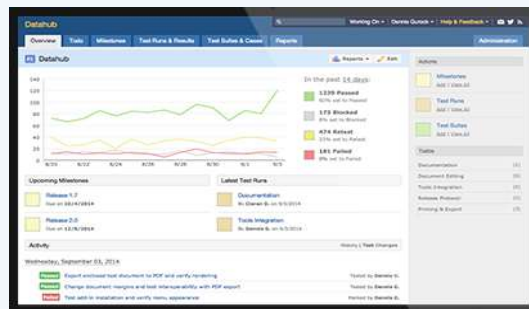
Using existing and future facilities in two shifts

- 2000 Telescopic cylinders per year
- 4000 Boom Tilt cylinders per year
- 15 Million Euros Turnover



Thanks to:

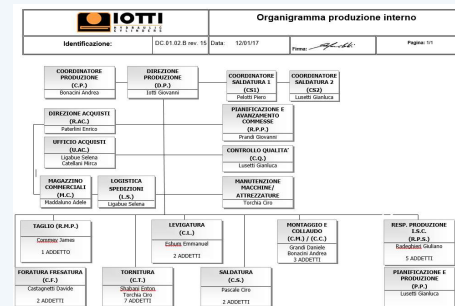
New investment



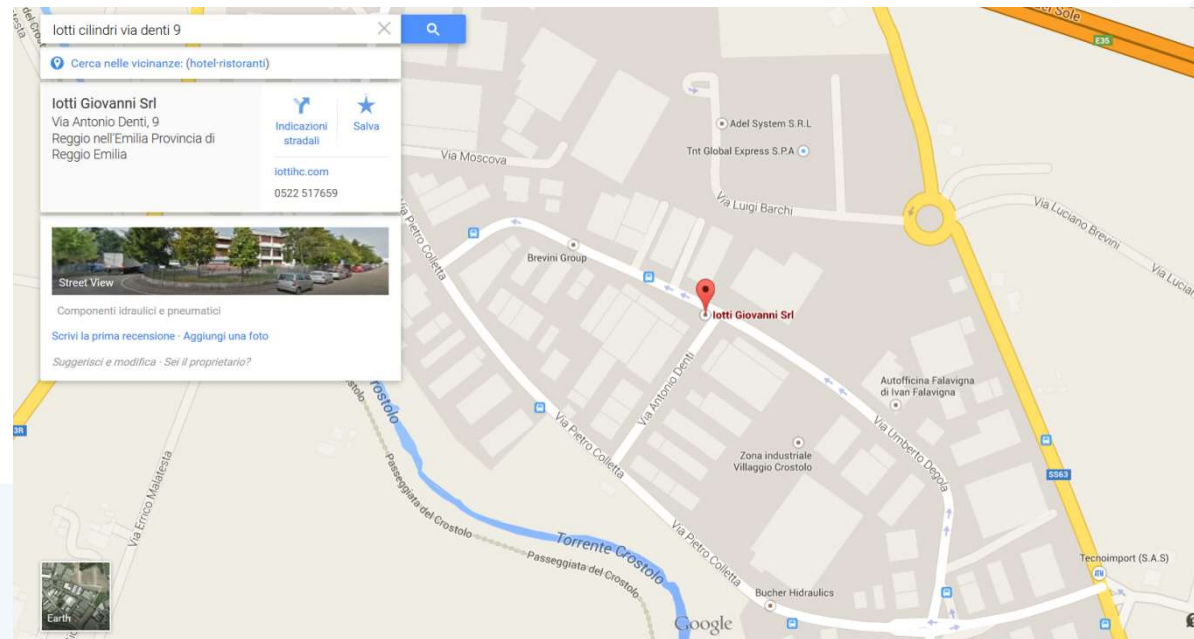
Better management



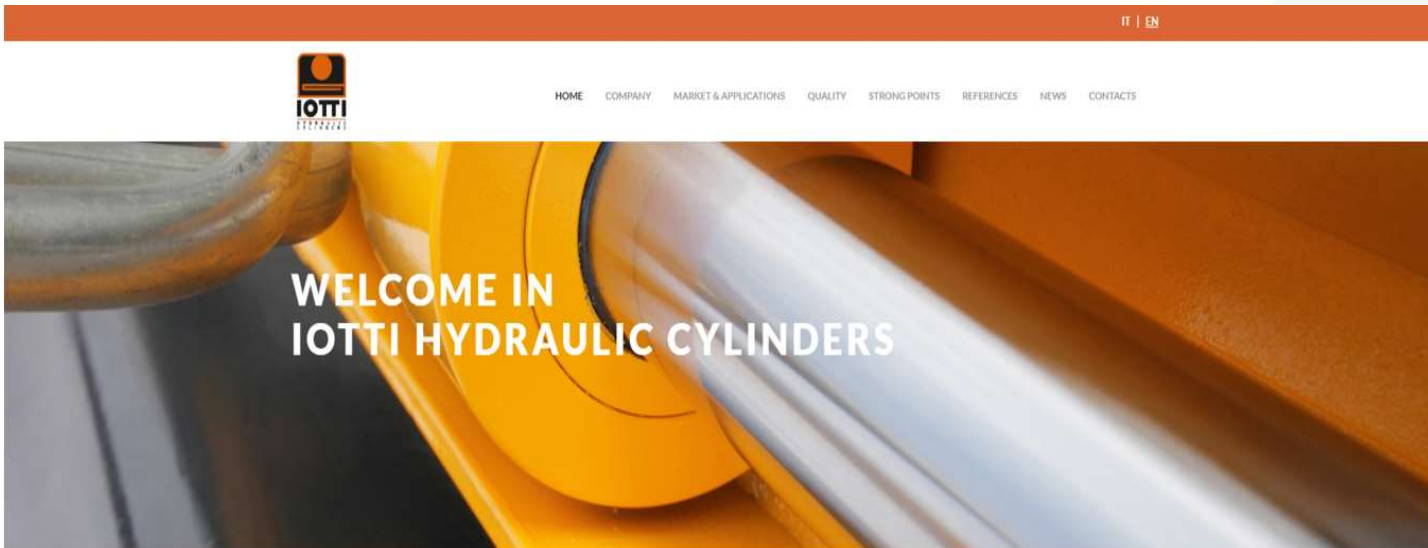
Customers/products



Improved organisation



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WELCOME IN IOTTI HYDRAULIC CYLINDERS

IOTTI HYDRAULIC CYLINDERS



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