

Injection molding of technopolymers

We have been shaping plastic since 1978.

Founded in 1978 within an automotive components group.

C.E.L. S.p.A embodies the energy, perseverance and assertiveness of the three founding partners in tracing new paths for the transformation and use of plastic components for Italian and European industries.



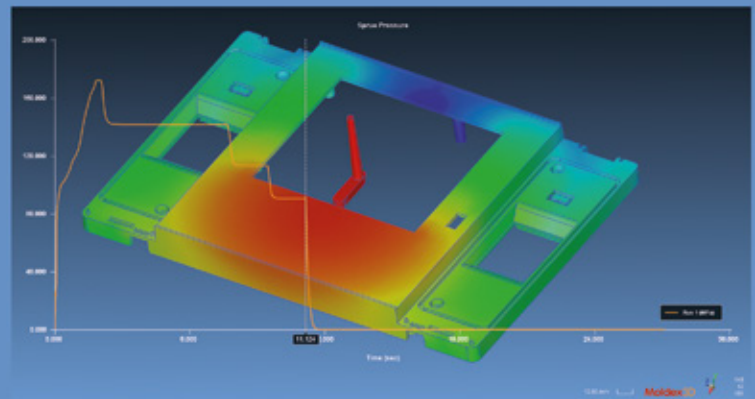
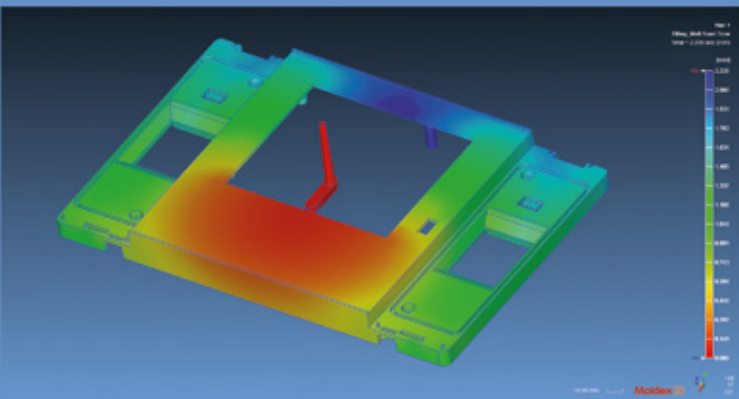
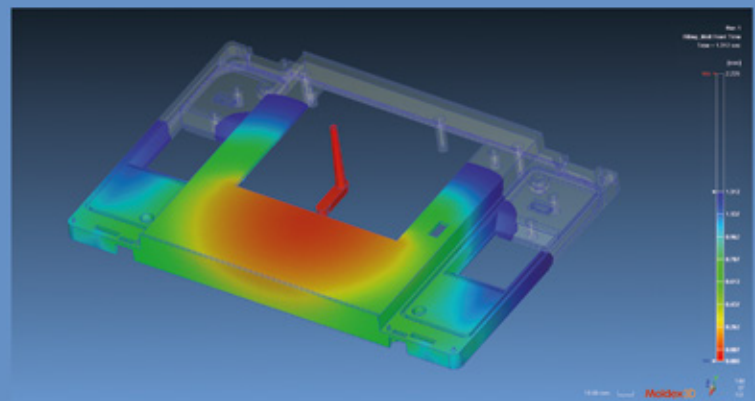
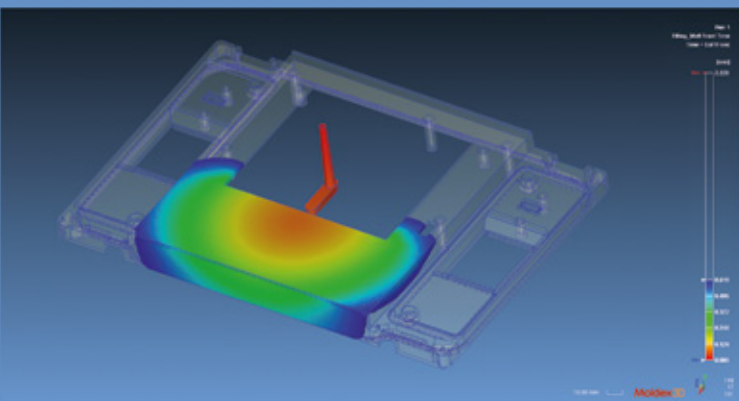
CEL today

Today C.E.L. operates on all European markets and is close to its customers with technical and logistical service which is focused on their needs.



CEL and the future

Our vision is to become a partner at the design and production level by providing creative and innovative cooperation to identify cutting-edge materials and solutions in the transformation of plastics. Eco-sustainability and eco-compatibility are our guiding principles.



CEL supports the customer with a complete software package

**Co-Design
and Innovation**

Solidworks for 3D design

Moldex per la Mold Flow Analysis:

Filling
Packing
Fiber orientation
Cooling
Warpage

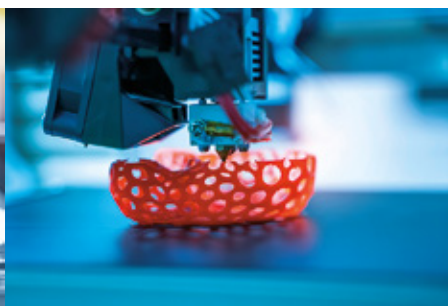
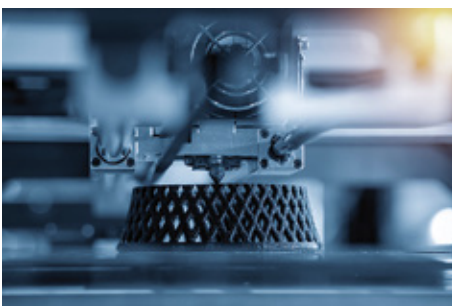
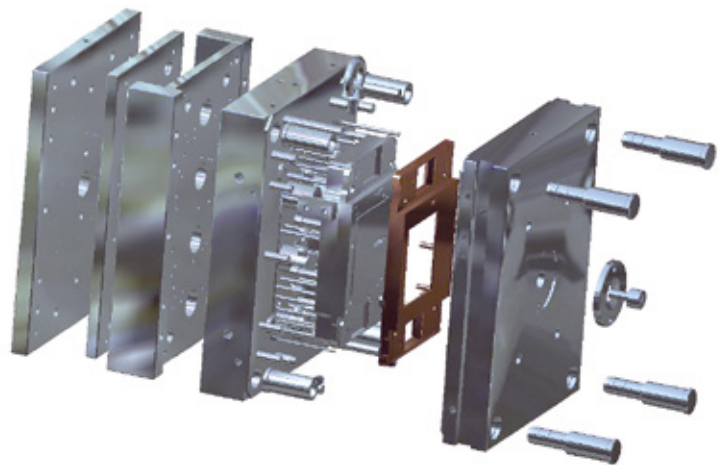




Time to Market

Our support for your ideas

- We support customers with timely planning starting from the 3D prototype up to serial production

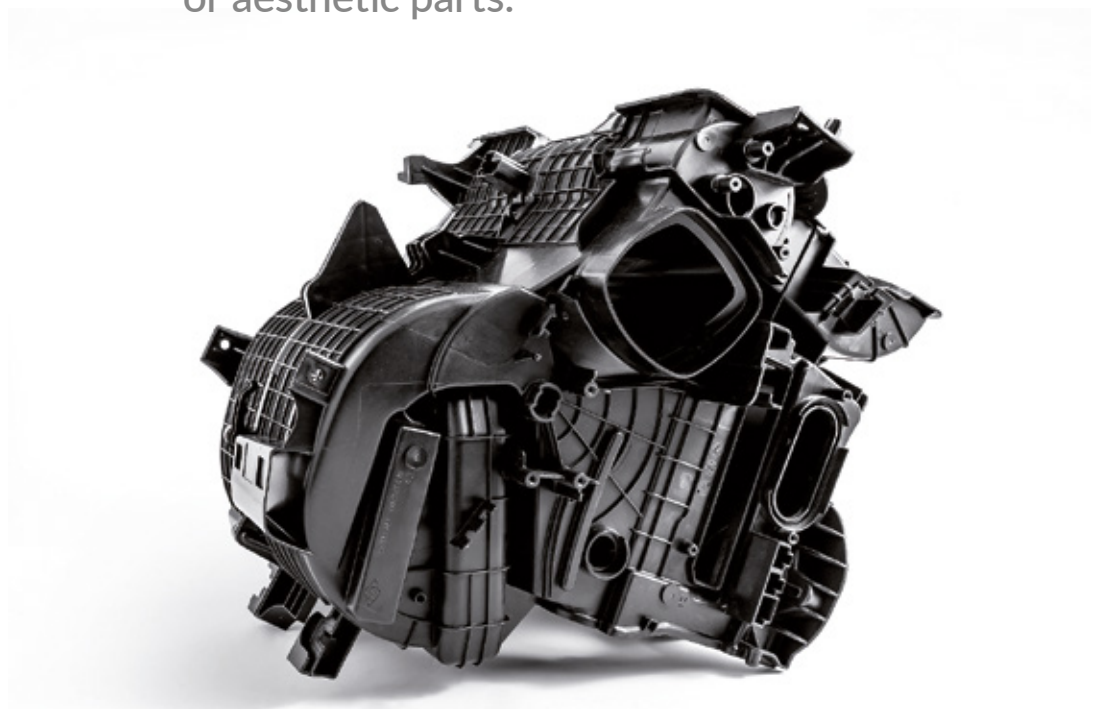




Molding technologies

Flexibility

- We have technical skills in the use of several technopolymers for the molding of structural or aesthetic parts.





Flexibility

Gas Injection Technology

For large parts with strength and aesthetic requirements, we use gas assisted injection:

- Surfaces without sink marks
- Precision and dimensional stability
- Weight saving





Co-molding with metal inserts and Metal Replacement

Flexibility

■ We are specialized in the production of plastic parts with metal inserts.

We cooperate with our customers to replace metal components with plastic components (Metal Replacement)..



Advantages:

- Weight reduction
- Greater design freedom
- Reduction of investments and costs

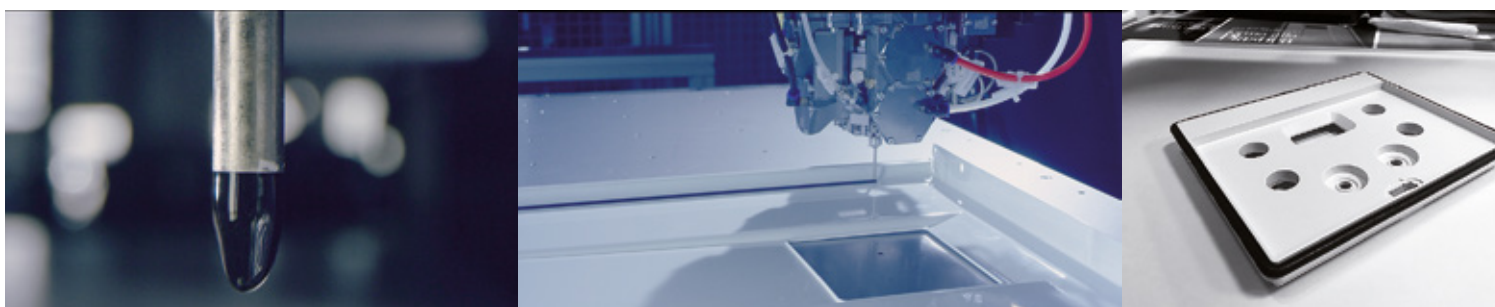


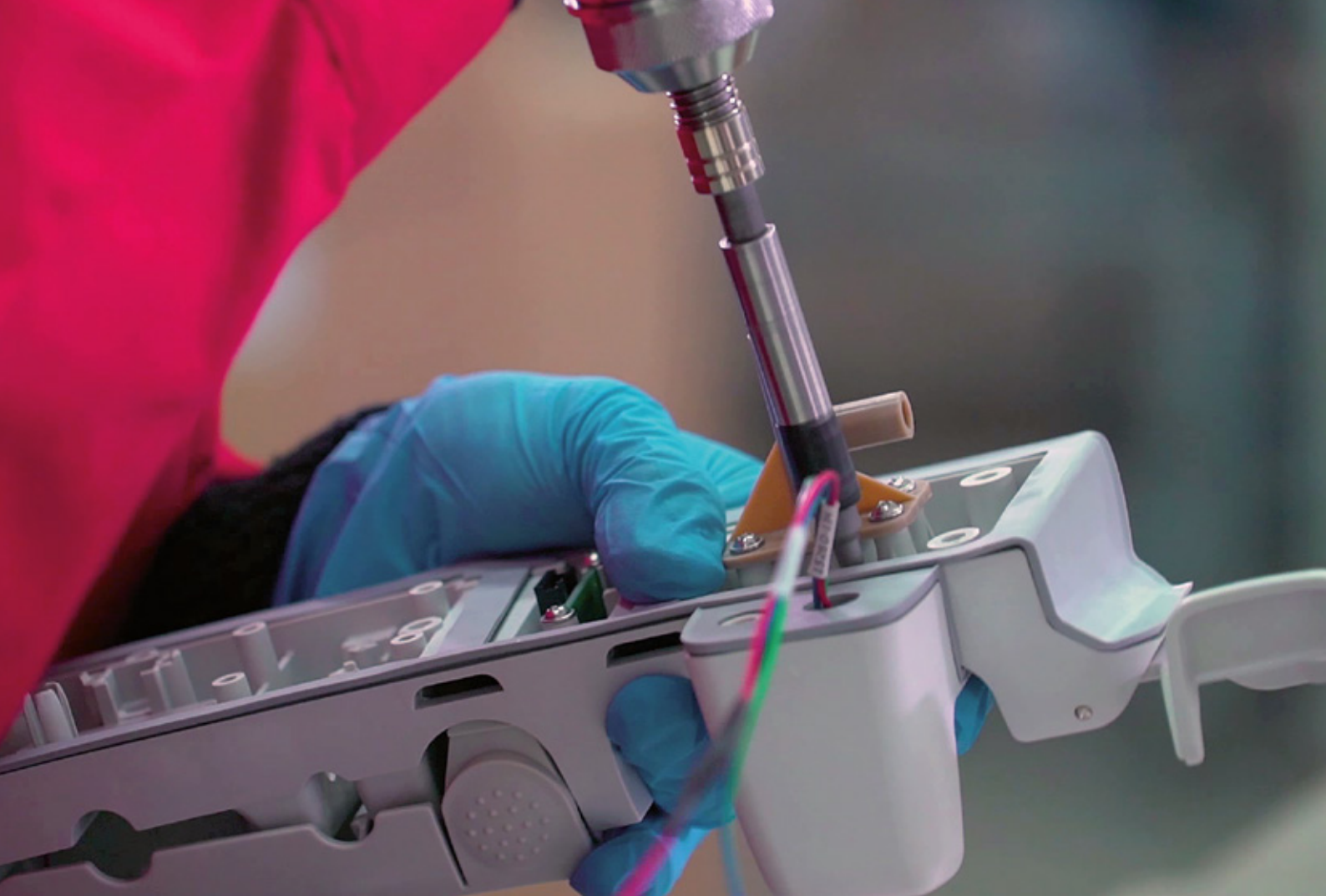
Flexibility

FIPFG (Form-In-Place-Foam-Gasket)

- With this technology it is possible to deposit the expanded foam gasket directly on the part:
 - Reduction of investments for the gasket
 - Sealing of both plastic and metal products
 - The gasket adheres precisely the profile of the piece
 - Possibility to vary the gasket section along the entire perimeter of the object
 - The gasket has no gaps or critical joints

Maximum flexibility and use of different materials to find the best solution for your application.





Additional processes

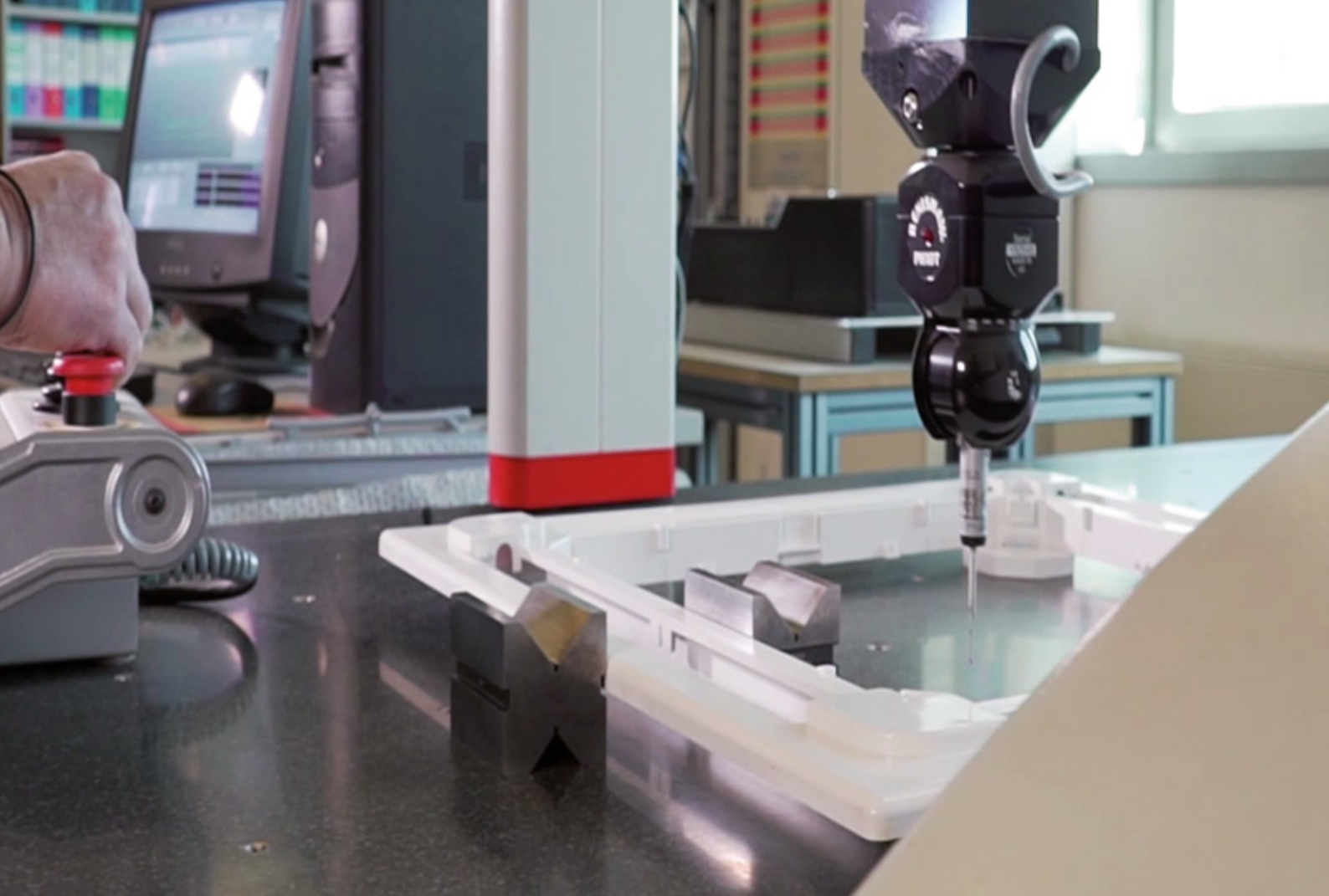
Flexibility

■ We provide multiple ancillary processes:

- Ultrasonic welding
- Painting
- Chrome plating
- Pad printing
- Screen printing
- Laser marking
- Digital print

Product assembly and related end-of-line tests





A matter of trust

Quality, control and precision

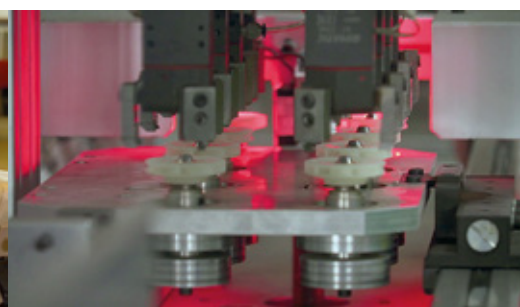
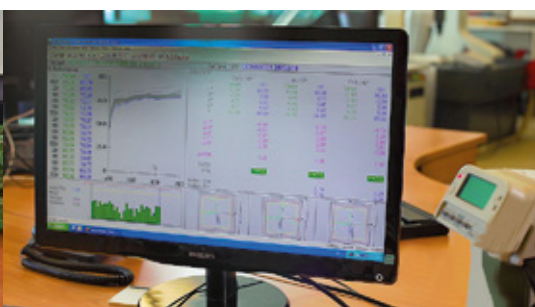
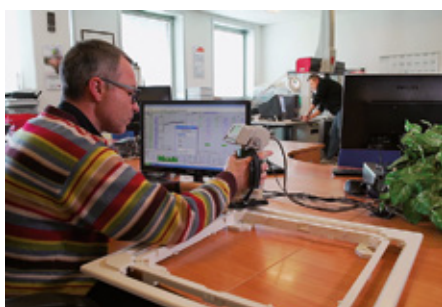
- Use of software for the management of dimensional and functional checks.
- Metrology laboratory equipped with a three-dimensional measuring machine.

CMM - Coordinate-Measuring-Machine.



IIP

ISO 9001 CERT. n° 300
ISO 14001 CERT. n° 29





Our contribution to your logistics

Supply Chain Management

- Supply of assembled parts and subsystems. Management engagement and logistical costs for the customer are drastically reduced.
Time-keeping, reliability and cost reduction.
- Logistic service supported by external warehouses to meet Just-In-Time delivery requests or services such as KanBan.





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