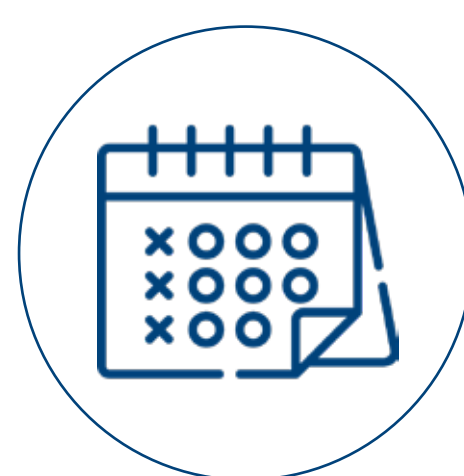


Mathematical Optimization for Smart Manufacturing

20+ years of experience in building high-impact optimization solutions along different dimensions of manufacturing operations

Global Manufacturing Partners who trust our solutions

Our global customer base is made up of market leaders in different industry sectors - semiconductors, electronics, packaging goods, apparel, automotive. We have a track record of successful deployments across the globe.



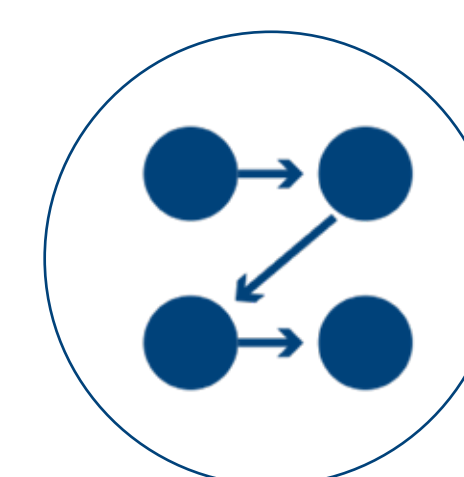
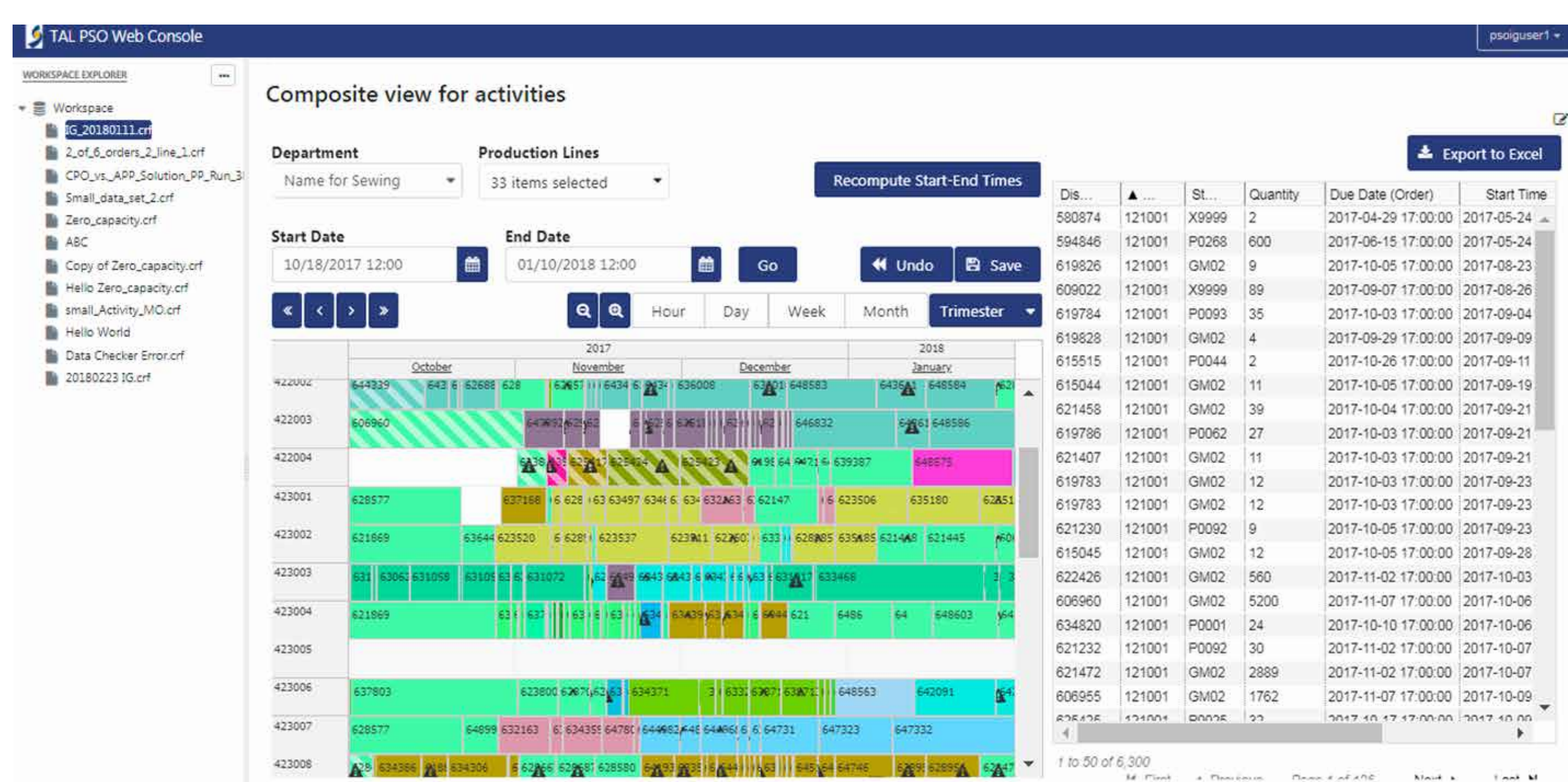
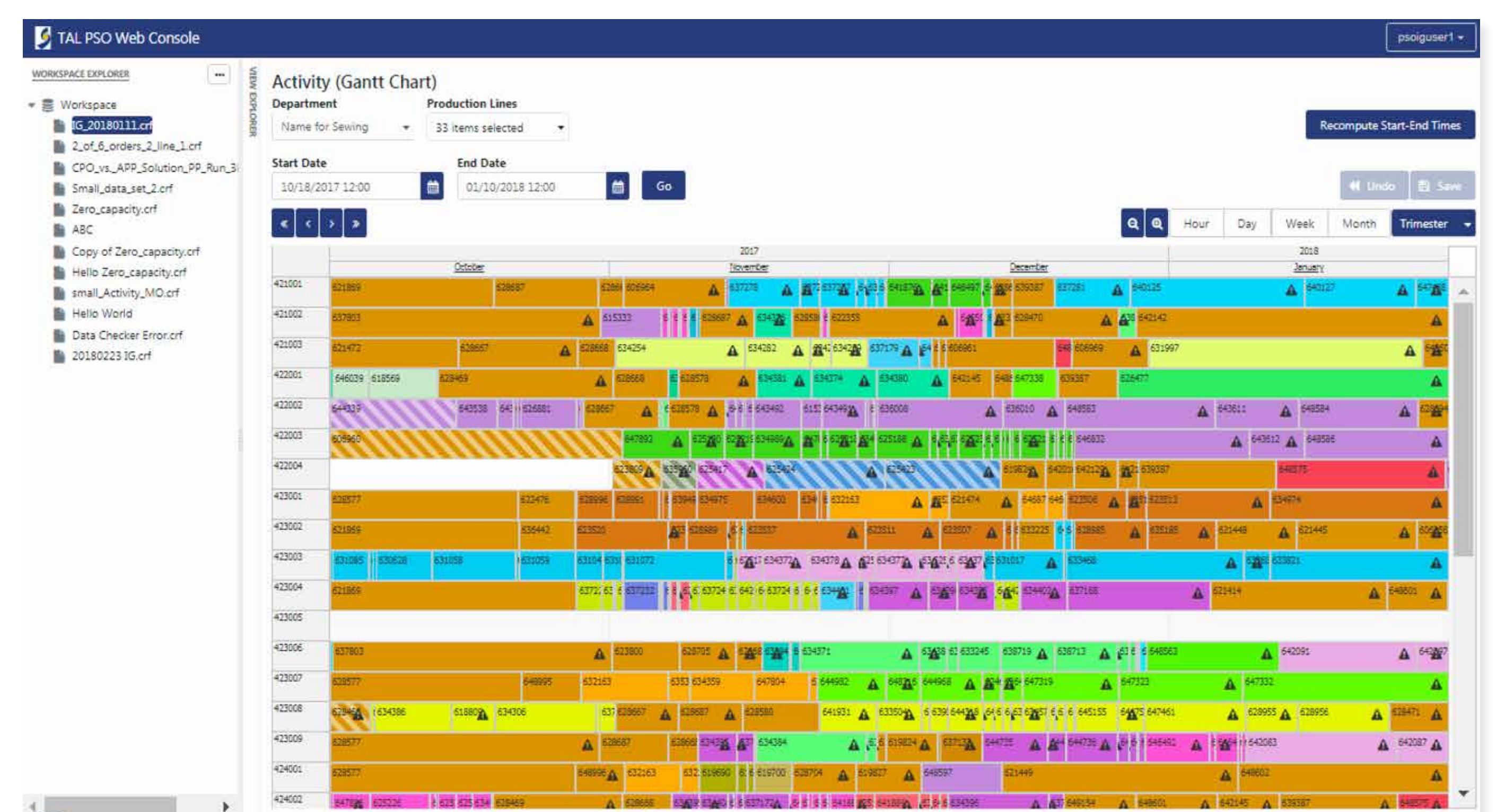
Supply Chain & Production Planning

Define what to produce, where and when, to meet demand and maximize productivity with the right tradeoff between inventory, logistics and production costs.



Supplier Logistics Planning

Define the optimal loading and routing plans for suppliers, synchronized with plants forecasted demand, to reduce overall logistics costs.



Production and Shipping Scheduling

Optimally sequence production on each work center and machine, to reduce WIP and lead times and ensure on-time delivery.



Variability Management

Build robust plans and adapt them to demand/supply variability and unexpected production line issues.

Custom solutions for global industry leaders across different sectors

20%-50% improvements vs. manual/heuristic plans



Electronics and Semiconductors

Production Scheduling Optimization for IBM semiconductors and KCE PCBs

- Handle a mix of simple and complex processes
- Optimize WIP and Lead Times
- Optimize plant layout and placement of compatible part numbers



Apparel

Integrated Production Scheduling and Shipment for Carhartt and TAL Group

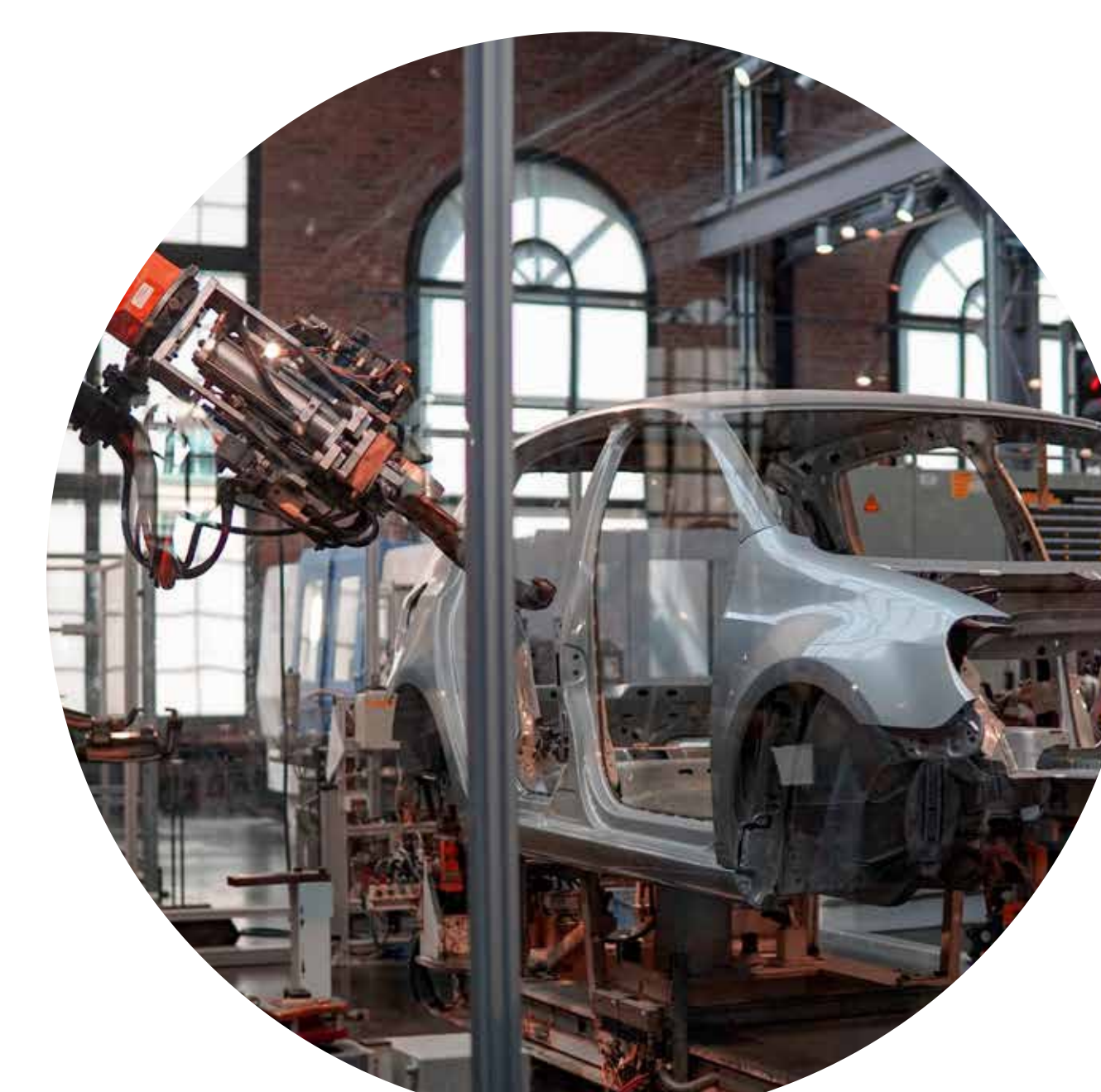
- Coordinate production and shipment scheduling
- Optimize production learning curve and on-time delivery considering alternative demand shipping modes
- Improve service level and increase throughput



Product Packaging

Supply Chain Planning and Production Scheduling for Ajover/Darnel

- Manage a mix of make-to-order and make-to-stock products when warehouse capacity is tight
- Provide a holistic view across demand, production and warehouse space
- Allow planners to quickly and easily address customers requests at minimum cost



Auto Parts

Integrated injection and painting scheduling for Plastic Omnium

- Coordinate production across injection, paint and assembly lines
- Maximize service level, meet just-in-time demand requirement
- Increase utilization by minimizing empty masts and reduce cost of color change