

Company profile

Constraint Technologies (CTI) works closely with customers and partners in the highly competitive transportation, travel and logistics sector. We provide optimisation software that helps our customers plan, operate and manage their business more effectively. This improves their customer service and reduces operating costs.

Based in Melbourne, Australia, and with partners in the US, Europe and the Far East, we help our customers achieve their objectives worldwide.

Core Competencies

CTI has been developing and supporting planning and operations control systems for over 10 years. We have experts and experience in key areas:

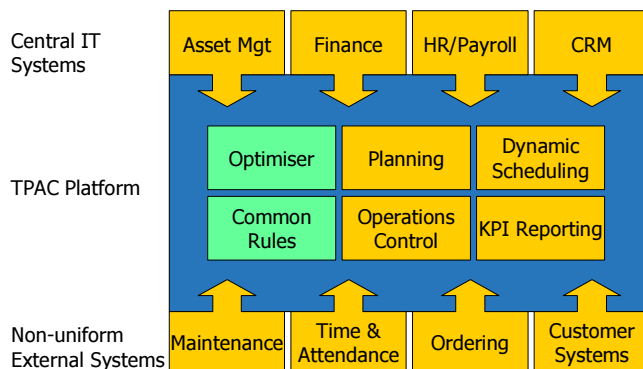
- ➔ Domain knowledge of the TTL sector
- ➔ Optimisation of large, complex business processes
- ➔ Real time systems
- ➔ 24/7 support of large, mission critical applications

Using these core competencies, CTI have built scalable, flexible products with best-of-breed performance.

TPAC Suite

The TPAC suite of products has been developed for the transportation, travel and logistics sector. Application areas include:

- ➔ Planning
- ➔ Scheduling
- ➔ Crew pairing
- ➔ Crew rostering
- ➔ Operations control
- ➔ Dynamic scheduling
- ➔ Recovery optimization

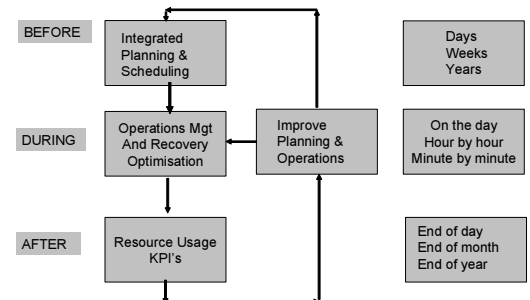


Technologies

PAIRING ROSTERING ASSIGNMENT CREW CONTROL		SCHEDULES PLANNING OPERATIONS CONTROL RECOVERY OPTIMIZATION FUEL OPTIMIZATION	
CREWING SYSTEMS		OPERATIONS SYSTEMS	
Speed of Solution	Robust Optimization	High Reliability	
Systems Integration	Optimization and Constraint Programming	Real-time Systems	
Industry Knowledge		Application Expertise	

Planning and Operations Control

CTI software products cover the entire planning and operations control cycle.



References

Qantas CTI has been working with Qantas for over 10 years installing and supporting various systems for planning and operations control. These include:

- ➔ Crew rostering
- ➔ Crew pairing
- ➔ Operations control
- ➔ Maintenance systems

ARTC CTI has installed and continues to support train control systems for ARTC, a large Australian rail operator.