



## AEROSPACE MANUFACTURER GAIN O.E.E. SHOPFLOOR INSIGHT



### Client Overview

Our client was a manufacturer of precision machined components for customers in military and civil aerospace sectors. The production facility consisted of state of the art CAD/CAM multi axis driven machining centres operated by a highly skilled team of machine engineers.

### Challenge Undertaken

The machine shop were experiencing operational issues around being able to effectively measure machine resource availability and production output levels. Also root cause analysis was often difficult to carry out as this was only highlighted after the event rather than in real time. As some of their machinery resources were very expensive capital investment resources, it was imperative that they ensured high levels of productive output for these resources were achieved..

### Solution Provided

**LIVE VISUAL VIEW OF SHOP FLOOR O.E.E.** Following consultation with the management team a plan of the shop floor was recreated as a graphic containing all of the different production cells and machine resources. Each resource was monitored for availability, output and quality resulting in an O.E.E. score. These O.E.E. scores used a traffic light system to allow easy identification of downtime and production bottlenecks.

### Benefits Realised

- For the first time management were able to pro-actively monitor shop floor performance from any computer screen in the building
- Easily identify bottlenecks in the production process and make more informed operational decisions.
- Efficiency performance gains from downtime reduction resulting in an increase in productive output.

