

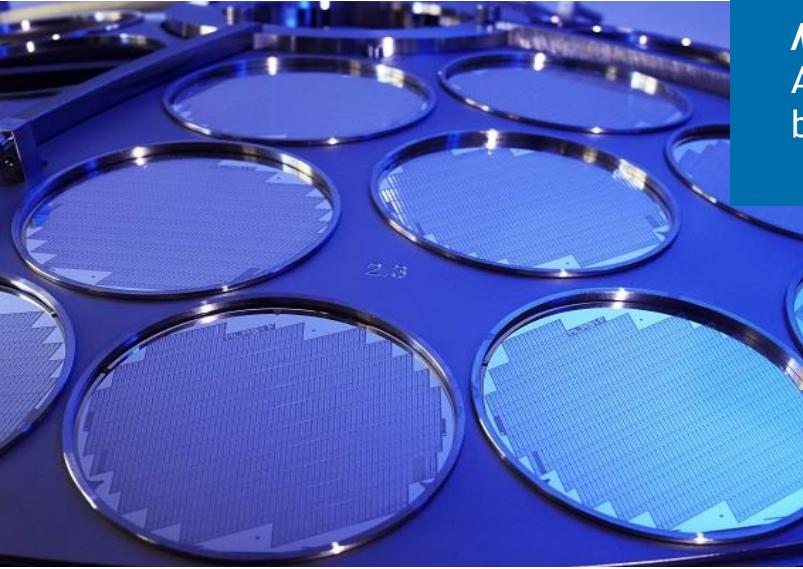
**Project: Manufacturing Operation Excellence**

**Location: California, USA**

**Duration: 8 months**

***Most notable success:***

Achieved approx. US\$28M yearly financial benefits in a mature fab



“We been trying to develop the CT Curve for years and IGSS did it within 2 months.”

**IE Principle Engineers**  
>20 years in the company

“I had no doubt IGSS will deliver the result. That is why I engaged them!”

**EVP & COO**  
>30 years in the industry

### Client Profile

An international power management technology company manufacturing analogue and mixed-signal ICs, advanced circuit devices, integrated power systems, and high-performance integrated components for computing. End applications included lighting, automobile, satellite, aircraft, and defence systems; as well as key components in power supply systems in electronics-based products especially microcomputers, servers, networking and telecommunications equipment.

### Challenge

Skilled employees with an average of 10-years in the field, accustomed to the culture, conventional way of work and specific pace despite the growth the industry was experiencing.

IGSS team had to address the need for change, natural resistance to new way of work/expectations. Broke down mindset barriers by having consultants work as part of clients' in-house team, going beyond observing to floor-level actioning. This enabled the delivery of quick wins that build morale and increased project buy-in, paving the way for collective success.

### Solution

IGSS multi-pronged approach spanned the following:

- Operation efficiency
- WIP management
- Capacity building
- Cost-benefit analysis
- Quality benchmarking
- Cycle-time assessment

### Results

- **Productivity:** Improved by >5% within 3 months
- **Capacity Breakthrough:** From 20.5K/week to 23K/week without investment
- **Cost Per Mask Layer:** Improvement by > 40% within the year
- **Line Yield improvement:** By 2% achieve within 6 months
- **Cycletime Improvement & Consistency:** 16% improvement
- **Annual Financial Benefits:** Achieved USD28mil annually
- **Extended contract:** IGSS was awarded several extensions based on this and subsequent successes.