



**Belcan**

## Case Study

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# Supplier Performance Improvement for Space Customer

# Client Overview

Industry-wide capacity challenges, dramatic increases in demand, and growing competition forced a rapidly growing Space organization to source Inconel parts from a supplier with little to no past experience making Inconel parts.

## Customer Challenge

The Space organization possessed limited in-house expertise with Inconel as well and therefore engaged Belcan for urgent advisory support.

- Sub-optimal operations sequences (e.g., milling vs. turning)
- Wrong machines / equipment for producing Inconel parts
- Lack of know-how with machining Inconel parts
- Poorly designed tooling / speeds and feeds
- Ineffective risk mitigation strategies
- Low quality and throughput

## Belcan Solution

Within a few days of receiving the request for support, a team of 2 Belcan advisors with a combined 80+ years of aerospace manufacturing experience conducted a 2-day onsite assessment of the supplier.

The following key activities were performed during the assessment:

- Completed site tour
- Assessed current quality and throughput performance
- Observed / discussed the “as-is” process & operations sequence with key supplier and client personnel
- Evaluated existing equipment and tooling
- Developed a process flow diagram for optimal operations sequences
- Identified an opportunity for ceramic high-feed cutters and inserts

## Project Outcome



### Roadmap

Including a list of performance improvement recommendations and implementation strategy



### Quality

>90% improvement in quality



### Throughput

>90% improvement in throughput

See how Belcan's integrated and adaptive engineering services can work for you.

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