

# DFSS

## AIT Helped a Major Automotive Electronics Manufacturer Globally Deploy Design for Six Sigma

- Six Sigma
- DFSS
- Supply Chain
- Change Mgt
- Europe
- North America
- Asia/Pacific

### Market :

Automotive and consumer electronics

### Client :

Revenue : \$x  
 Customers : Global, Regional  
 Employees : 30,000

### CLIENT ISSUE

This global leader was four years into a Six Sigma deployment. The need for improvements in product and process designs (DFSS) was apparent. Hundreds of Black Belts and Green Belts had been trained in the tools of continuous improvement, so an infrastructure was in place for training and certification. The challenge was to decide:

- What content for DFSS training (which tools, which methodology, from internal or external sources)
- How much training to be given to various types and skills of designers (how many days, what levels of depth and competence)
- Who **would** be the trainers (internal or external)

### SOLUTION / APPROACH

- Developed a division-wide international implementation program **that accounted** for specific regional differences in approaches.
- Integrated industry-standard DFSS tools and methods with company-specific design tools and methodologies.
- Trained and coached DFSS Green Belts and Black Belts.
- Developed certification standards and criteria for **both** Green Belts and Black Belts.
- Continuously improved the offering to match the needs of the **Black Belt** and the Green Belt candidates.
- Developed and integrated client-specific case studies into the training modules.

### CLIENT BENEFITS

- Combined program savings **exceeded** \$4 Million
- Average savings from a Green Belt projects were \$50,000
- Product and process quality **typically** increased from 4.5 to 6.0 sigma per project
- Over 200 Green Belts trained **plus** 15 Black Belts **trained as "DFSS Experts"**
- Rolled throughput yield combined across projects increased from 2.8 sigma to 5.0 sigma
- Client is becoming self-sufficient for future training

### OUR DIFFERENTIATORS

- Proven process, tools & methodologies
- Consistent curriculum & delivery **that can be modularized to fit client needs and existing in-house capabilities.**
- Instructors **with** engineering and design experience
- Integrating DFSS with existing design methods, processes, skills and tools

### We linked a number of different tools into a methodology

