

Lean Six Sigma

- Lean and Six Sigma are both process improvement methodologies
 - Lean is about speed and efficiency
 - Six Sigma is about precision and accuracy leading to data-driven decisions
 - Both rooted in the 1980s (and earlier)
- Lean arose as a method to optimize auto manufacturing
- Six Sigma evolved as a quality initiative to reduce variance in the semiconductor industry

Why Lean and Six Sigma?

- Six Sigma will eliminate defects, but it will not address the question of how to optimize process flow
 - Lean principles exclude the advanced statistical tools often required to achieve the process capabilities needed to be truly “lean”
 - Each approach can result in dramatic improvement, while utilizing both methods simultaneously holds the promise of being able to address all types of process problems with the most appropriate toolkit
- For example, inventory reduction not only requires reducing batch sizes and linking operations by using Lean, but also minimizing process variation by utilizing Six Sigma tools.*

Lean Six Sigma Briefings

- Lean Six Sigma: A Methodology for Cultural Change and Continuous Process Improvement (CPI) [download PowerPoint](#)