

# Success Story: Cost Reduction

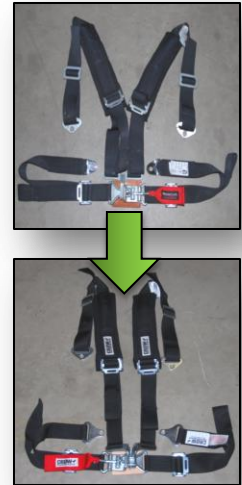


## Requirements:

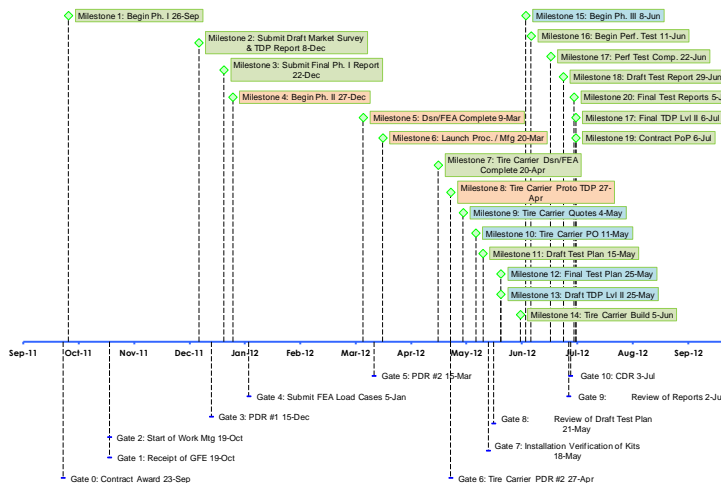
- Pros / Cons Assessment of Replacement
- Design Optimizations & FEA Results
- Comparison of Weight / Payload Impact to Legacy Component(s)
- Replacement Compatibility / Availability
- Volume Pricing – Parts & Shipping
- Cost Reduction Potential vs. Legacy

## Processes:

- Conceptual modeling
- Concurrent design & FEA
- Material, finish, tolerance, & coating assessment
- Gated reviews, risk assessments & mitigation
- Iterative design for manufacturing, and cost
- Competitive component research & sourcing



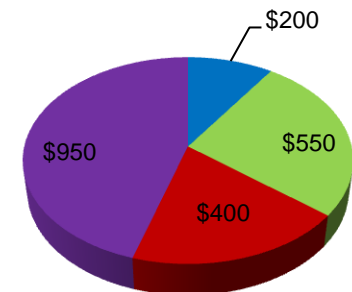
## Timing:



## Results:

- **Reduction** in cost of components by **50%**
- Met or **exceeded** baseline component **performance**
- **Minimized** weight & payload **impact**
- **Increased functionality** through modular components

## Cost Reduction



- Component A
- Component B
- Component C
- Component D