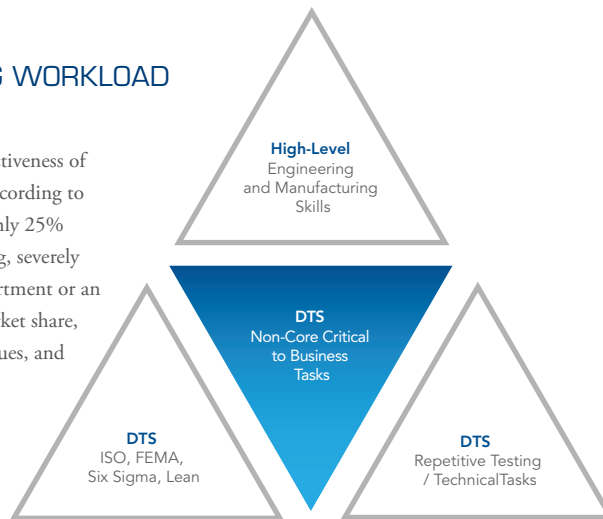


# Volt Solutions at Work

## BALANCING THE ENGINEERING WORKLOAD

### What is Engineering Dilution

Non-core and support activities “dilute” the effectiveness of engineering and manufacturing professionals. According to Colin Mynott’s “Lean Product Development,” only 25% of an engineer’s time is actually spent engineering, severely impacting the productivity and output of a department or an entire company. The fallout can mean losing market share, distribution of defective products, reduced revenues, and numerous other consequences.



### Client

Engineering professionals focus on new product development, improving quality of current products, and reducing time to market

### Volt DTS

Volt DTS provides support throughout the product life cycle to allow engineers to focus on their core functions

## Case Study

Volt Design & Technical Services  
401 Water Street  
Peoria, IL 61602

Phone: 309.676.7861  
www.voltdts.com

# Volt DTS Solves an Engineering Dilution Challenge to Accelerate Product Launch

## The Challenge

Our client, an international heavy construction equipment manufacturer, was experiencing challenges in sourcing hydraulic engineers due to the high demand and lack of local talent for this crucial skill set. Faced with delays that could significantly impact their new product launch, they contacted Volt DTS to help design a solution for engaging new talent and increasing the effectiveness of their existing resources.

## The Solution

Volt DTS proposed conducting a Value Stream Analysis to better understand the existing engineering functions and processes. The analysis revealed that the client’s engineers were tasked with a wide variety of non-core, yet critical-to-business functions that diluted their ability to focus on core engineering functions. Specifically, we determined that 30 to 40% of the daily tasks performed by the client’s engineering team could be assigned to lower level mechanical technicians. The client immediately re-aligned functions, allowing their top talent to resume providing higher value through their core engineering functions and respective areas of expertise and eliminating the dilution of their value to their employer.

## The Results

Volt’s solution reduced the workload of the client’s engineering team, freeing the client’s engineers to work on new product schedules and higher level challenges. Volt DTS provided the mechanical technicians to take over the non-core, yet critical-to-business tasks identified during the analysis. The client was extremely pleased that Volt DTS offered a solution enabling their engineering team to achieve the scheduled new product launches.

**VOLT**<sup>®</sup>  
Design & Technical  
Services