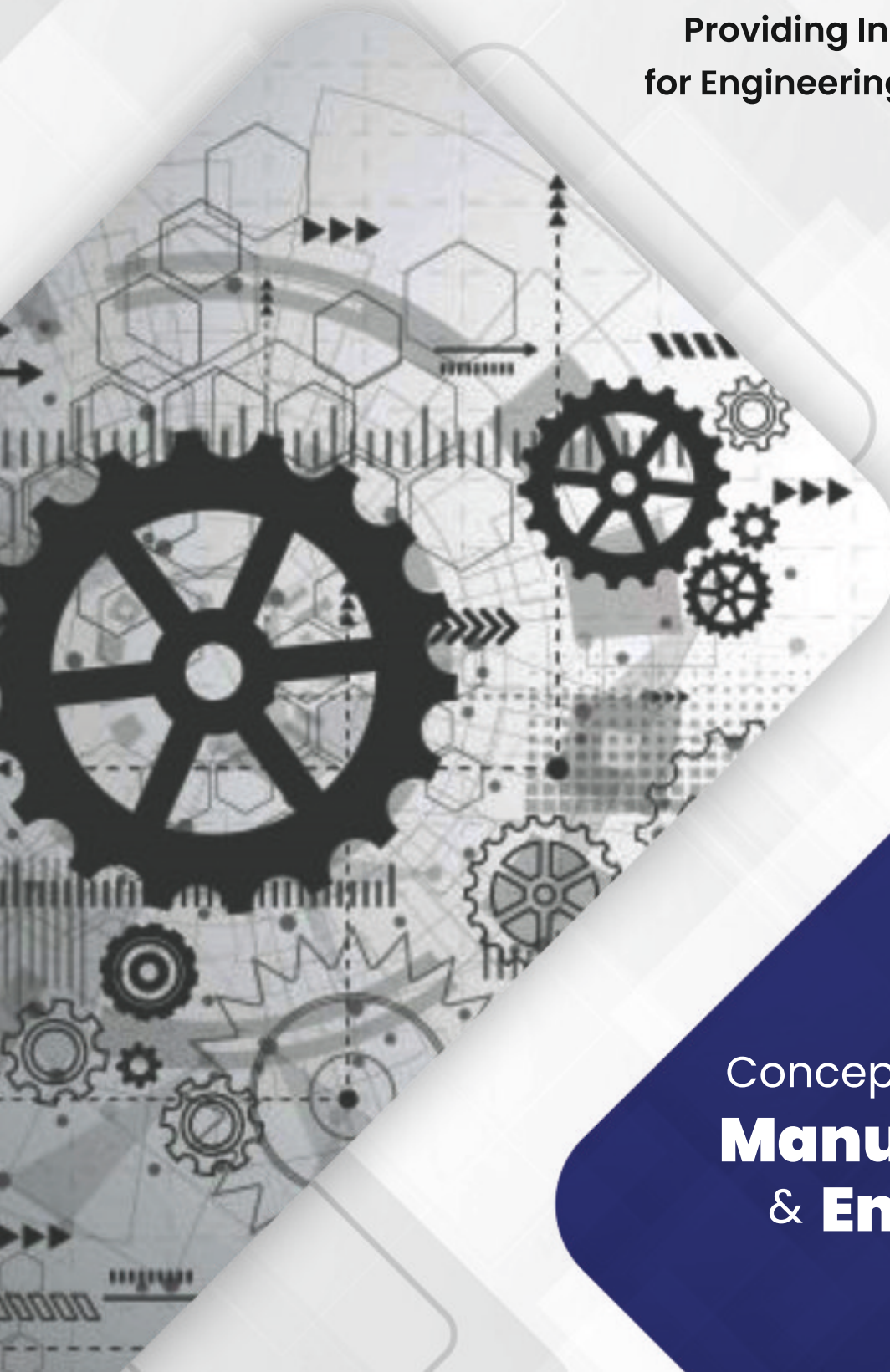




## **LODESTAR QUALITY LLC**

Providing Innovative Solutions  
for Engineering & Manufacturing

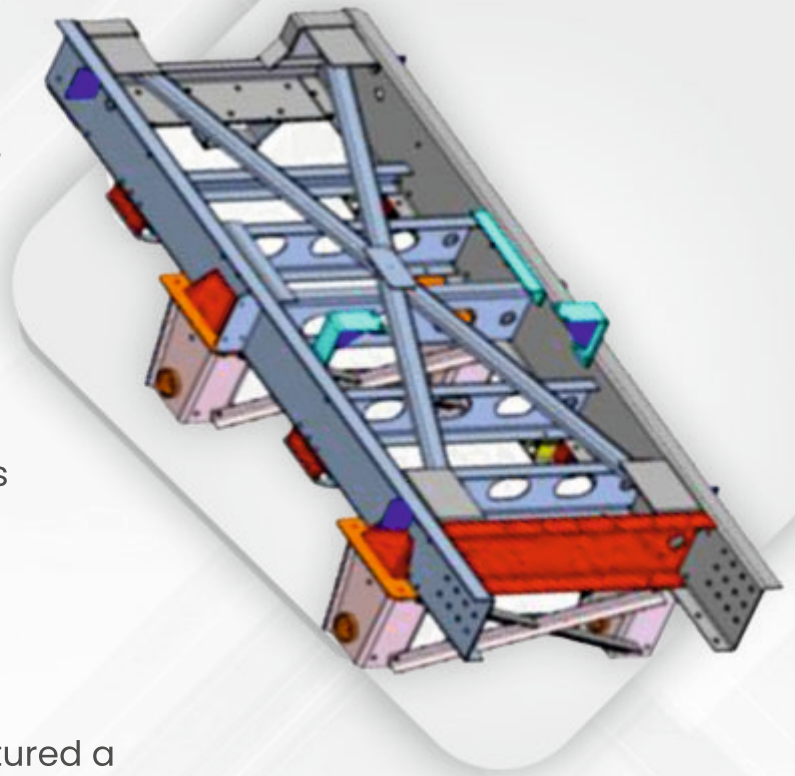


From  
Concept to Production  
**Manufacturing  
& Engineering**  
Solutions

# DESIGN AND MANUFACTURING OF A CUSTOMIZABLE TRAILER FRAME

## ■ THE PROBLEM

A medium sized North American Trailer/Bulk Transport manufacturer specializing in providing custom Trailers to the oilfield industry was facing issues with ageing product designs causing low production throughput, inventory build-up, inability to quickly address market fluctuations in demand of product type & very low margins.



## ■ LODESTAR'S SOLUTION

- ▶ Designed, develop and manufactured a configurable common frame, whereby by bolting on components and sub-assemblies the customer could create three different product types.
- ▶ This new assembly enabled the customer to quickly customize a product type based on market demand without having to hold finished inventory.

## ■ RESULTS

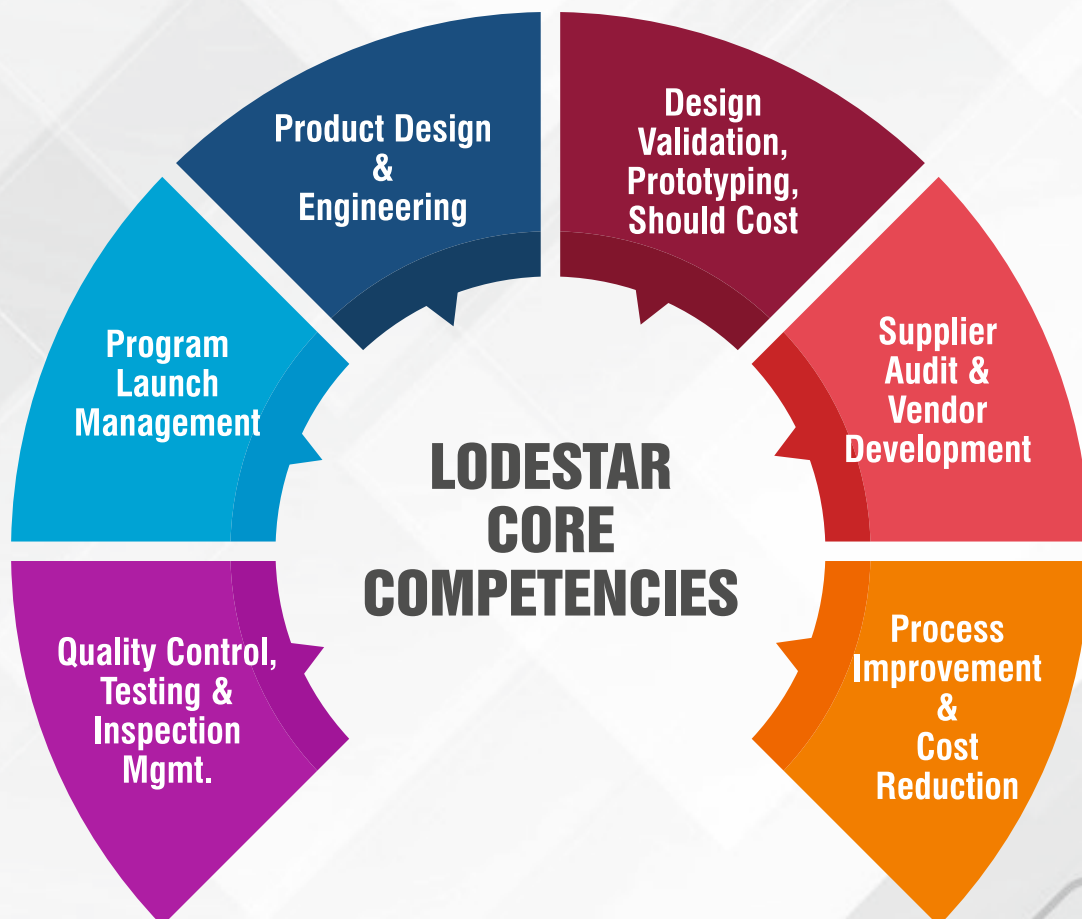
- ▶ Lodestar's solution enabled the customer to Focus production resources on assembling bolt-on systems which raised through put by over 15%
- ▶ Reduce their manufacturing costs around 20%, with significantly improved higher product quality, resulting in substantial increase in net margins.

# ABOUT LODESTAR QUALITY LLC

Lodestar Quality LLC is a knowledge-driven custom manufacturing solutions provider that

- ▶ Provides manufacturers of products a full range of services from innovative design and engineering, to sourcing and production using best in class quality control methods in a cost- efficient manner.
- ▶ Focus areas include fabrications, castings, machining and forging, and plastic products.

Our team of engineering experts and network of high-quality manufacturers work together to develop and deliver products to our customers.





“Lodestar utilizes the expertise of its team members and its manufacturing partners to address key problems faced by industry segments or individual manufacturers with high quality products and intelligent solutions which are customized to address a particular market's or entity's needs in a comprehensive manner.

**THANK YOU!**

