

Case Study | Industrial Heavy Machinery

DMC REDUCTION FOR COMMERCIAL VEHICLE

COST REDUCTION AND OPTIMIZATION EXERCISE THROUGH COMPETITIVE TEARDOWN, BENCHMARKING AND VAVE

THE CHALLENGE

- Declining market share due to higher Kerb weight.
- Over specification product for abusive use, not appreciated by market.
- Validate the existing part costs through Should Costing.
- Improve overall Life cycle cost.

THE COMPANY

Indian multinational automotive manufacturing company, a global leader in Medium & Heavy-duty trucks.



THE SOLUTION

- Structured Teardown and Benchmarking analysis with Should Costing for Lean design.
- Weight optimization solutions led to right sizing & in turn offer better value proposition.
- The results encouraged to run a comprehensive VAVE drive across complete product portfolio.

THE RESULT

~10%

Approximately cost saving per product



Weight saving



Horizontal deployment



Improved payload



Improved life cycle cost

ABOUT US

Tata Technologies is a global engineering and product development IT services company that is focused on fulfilling its mission of helping the world drive, fly, build and farm by enabling manufacturing companies across the automotive, aerospace and industrial heavy machinery verticals realize better products and drive efficiencies in their businesses. There are two components to our value proposition – managing and delivering outsourced engineering services and products for our manufacturing clients, and helping them identify and deploy technologies that are used to conceptualize, design, validate, build, test, benchmark and realize better products. For more information, visit www.tatatechnologies.com.