



Empowering a better future, through every product, process, and program

Munro's 35+ years of experience across every major Industry means we can offer design and manufacturing solutions that stretch the boundaries of what is considered possible.

Munro has improved dozens of iconic defense technologies, from the Javelin and Excalibur to the Iron Dome and F-35.

The Munro methodology is trademarked and proven to lower costs and increase quality across tens of thousands of defense and commercial products.

Munro's clientele includes the world's most renowned Defense and commercial customers.

PAST PERFORMANCE

GENERAL DYNAMICS

LEONARDO DRS

LOCKHEED MARTIN



DEVCOM

NASA

IBAS



AFRL



NORTHROP GRUMMAN

Raytheon

AM General

Honeywell

BAE SYSTEMS



L3HARRIS

BOEING

LEGACY OF SUCCESS



▲ AMMUNITION



Photo: © U.S. Army

▲ AEROSPACE



▲ GROUND VEHICLES



▲ NAVAL



Photo: Calspan National Laboratory

▲ NUCLEAR & CRITICAL MINERALS



Photo: © U.S. Army

▲ WEAPON SYSTEMS

SERVICE OFFERINGS

BENCHMARKING INTELLIGENCE

Giving customers an edge through understanding of a product's design in the context of its competitive landscape.

PRODUCT DEVELOPMENT

Refining products and processes to achieve an efficient design that maximizes Value, Quality, and Profit.

COSTING SERVICES

Understanding the complete picture through detailed analysis of every part, process, and tool.

MANUFACTURING IMPLEMENTATION

Enhancing the manufacturing process to reduce costs through increased efficiencies.

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GLOBALLY RECOGNIZED

Sandy Munro's Lean Design® principles have captured the attention of engineers and entrepreneurs worldwide through YouTube on their Munro Live Channel. These principles focus on the following key aspects:

90% of Total Life Cost (TLC) in defense and aerospace products is determined by design.

Reducing complexity and enhancing producibility starts with the design.

Efficiency and precision comes from a Right First Time (RFT) approach.



MUNRO LIVE

"No baloney, you have done so much for our industry, you have opened so many eyes at Ford and across our industry."

Jim Farley, Ford CEO

LEAN MANUFACTURING SYSTEMS DEVELOPMENT

It is nearly impossible to achieve truly efficient manufacturing without paying attention to the Design. The success of the Munro methodology reinforces the fact that manufacturing systems development must be intertwined with the design process to achieve optimal efficiency.

LEAN DESIGN® OPTIMIZATION



PROFESSIONAL ENGINEERING SERVICES & COMPETITIVE ANALYSIS

- Benchmarking & Technology Reports
- Reverse Engineering
- Workshops
- Detailed Costing Analysis
- Trusted Supply Chain & Value Stream Analysis
- Engineering, Technical, & Analytical Services

NAICS CODES

541330: Engineering Services

541420: Industrial Design Services

541715: Research & Development in the Physical, Engineering and Life Sciences