

Making our world more productive



STARSOLVER™ Productivity Enhancement Program

Relentlessly dedicated to helping you solve your organization's most challenging problems and improving productivity, every step of the way.



Continuous Support to Keep Your Productivity in Motion



Linde's STARSOLVER™ program is an innovative and analytical support program aimed at helping you continuously improve productivity, save money and be more competitive.

Linde's MetFab Productivity Specialists (MPS) are a select group of welding engineers and CWI/CWEs with years of industry experience who understand all aspects of the metal fabrication business. Through the work of our MPS team, Linde has helped customers dramatically reduce costs and increase productivity by as much as 20-40 percent – often with little or no capital investment.

From process and facility evaluation to planning, implementation and final briefing, Linde's MPS team uses the innovative STARSOLVER™ program to show customers how to increase production throughput and product quality, while reducing reject rates and rework, post weld clean-up and labor.

Industry Expertise and Experience

Linde's MPS team has answers to your toughest process improvement questions. Trained in the latest technologies, these metfab specialists can bring decades of insight and proficiency to your operation, including:

- Material handling and metal forming
- CNC cutting (plasma and oxy-fuel)
- Laser cutting and welding - CO₂ and fiber
- Plant automation - robotic welding, hard and custom automation
- Gas delivery systems and supply modes
- Arc welding processes and equipment



How the STARSOLVER™ Productivity Enhance Program Works

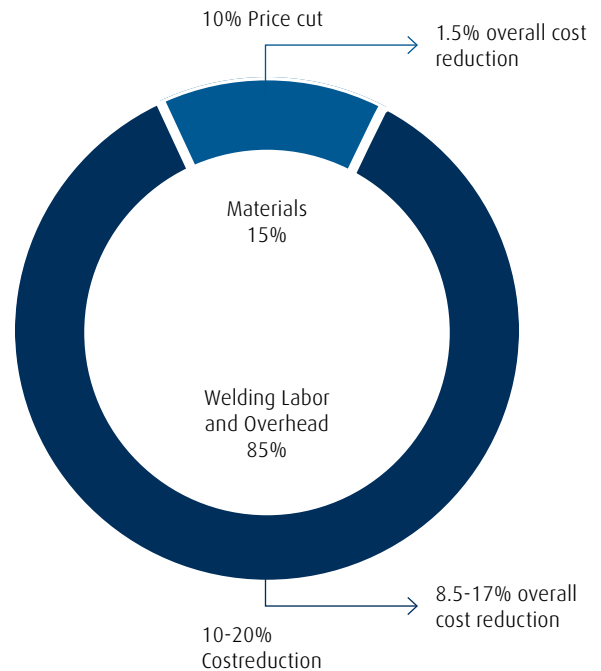
The STARSOLVER™ Program process begins with Linde's MetFab Productivity Specialists (MPS) reviewing your shop's current welding or cutting operations from start to finish – all with as little disruption to your work as possible. By gathering comprehensive data about your production processes, labor and overhead costs, the team can do a complete analysis of your plant's productivity and find ways to improve it.

Your STARSOLVER™ Evaluation May Include:

- Gas analysis
- Gas-to-wire ratio
- Gas supply system
- Weld size
- Weld travel speed
- Wire feed speed
- Wire type, diameter and packaging
- Electrode deposition efficiency
- Automation potential
- Welding processes and equipment
- Operator duty cycle measurements
- Electric power consumption
- Cutting analysis (laser, plasma, oxy-fuel)

Increase Productivity, Lower Costs, Improve Quality

Based on our findings, Linde will recommend a realistic list of actionable items, which may include process, material, equipment or facility changes or improvements. Working together, your customized action plan will be finalized and specifically designed to make increased throughput and greater profitability attainable while keeping your budget in mind.



We'll also follow up to make sure the new products and equipment are implemented properly and continuing to deliver the expected benefits.

Using the STARSOLVER Productivity Enhancement Program, Linde's MPS team can help your business increase throughput, reduce costs and compete more effectively in today's fiercely competitive market.

"The STARSOLVER™ report really broke down the recommendations made by Linde. We tripled production output from 100 parts per day to 300."

Pete Trochinski, Magnum Power Products LLC

Linde Inc.

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