

## How can my company utilize the Driv-Lok **EngiNomics**® Program?

- ▶ Driv-Lok has created an Engineering Team ready to work with your engineering team to improve your profitability while satisfying your customer's needs.
- ▶ A commitment must be made at both companies to provide the resources, talent and exposure to the application to work on the project.
- ▶ Driv-Lok will review the application with your engineering team prior to making a recommendation.
- ▶ A team concept must be established between Driv-Lok and our customer and the program must be chartered with an overall profit improvement goal.
- ▶ Driv-Lok summarizes the potential profit improvement and makes a formal presentation to the customer's management team at the customer location.

There needs to be "buy-in" by all team members at both companies to make this program succeed.

- ▶ The solution or savings are then implemented by the customer.
- ▶ Savings are tracked and reported back to management.
- ▶ Driv-Lok and the customer both win.

### Categories of **EngiNomics**® Savings

- ▶ Product Improvement
- ▶ Logistics savings
- ▶ Material Savings
- ▶ New part design
- ▶ Redesign of existing parts

**DRIV-LOK**®  
ENGINEERED FASTENING SOLUTIONS

Call us at 815-895-8161 or visit our web site at [www.driv-lok.com](http://www.driv-lok.com)



**EngiNomics**®  
The Science of (your) success!

**Driv-Lok EngiNomics saved customers over \$725,000 in one year**

*Better Economics Based On Engineered Improvements*

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1140 Park Avenue  
Sycamore, IL 60178  
Phone: 815-895-8161  
Fax: 815-895-6909  
Website: [www.driv-lok.com](http://www.driv-lok.com)  
E-mail: [driv-lok@driv-lok.com](mailto:driv-lok@driv-lok.com)

## Driv-Lok introduces ...

# EngiNomics®

*“Better Economics based on Engineered Improvements”*

The Driv-Lok **EngiNomics®** program involves the following parameters:

- ▶ Re-specification of current Driv-Lok supplied parts to achieve lower cost.
- ▶ Value engineering of current Driv-Lok supplied parts with new part designs or configurations.
- ▶ Process method cost improvements of non-Driv-Lok produced parts.
- ▶ Value engineering of non-Driv-Lok produced parts with new part designs or configurations.
- ▶ Re-investment by Driv-Lok to provide funding and new technologies to ensure that **EngiNomics®** is an ongoing program.

**EngiNomics®** is the term we created at Driv-Lok to define in one word our program to save our customers time and money while maintaining or enhancing the products and the design integrity of the end product.

**EngiNomics®** is all about looking at your current products, designs or applications and then providing you with the best installed cost solution.

### **EngiNomics®** examples of *Driv-Lok customer savings:*

**Industry:** Automotive

**Current Application:** Automotive Gear Transfer Case

**EngiNomics solution:** Draw down the wire in the Driv-Lok Manufacturing process to improve the material finish during the wire drawing process

**Savings to the Customer:**

- ▶ Elimination of grinding
- ▶ Smoother part for easier insertion into the Gear Case
- ▶ Drawing of the wire meets all micro finishing requirements vs. grinding
- ▶ 25% cost savings to the customer for this application

**Industry:** Automotive Transmissions

**Current Application:** Transmission casing

**EngiNomics solution:** Tumble the pins vs. chamfering the ends

**Savings to the customer:**

- ▶ Elimination of the chamfering process in the manufacturing process
- ▶ Less lead time required to manufacture the parts
- ▶ The tumbling process creates an acceptable lead on the ends of the pins
- ▶ 15% overall cost savings in the elimination of the chamfering process

**Industry:** Auto and Motorcycle Engines

**EngiNomics solution:** Screw machine seamless dowel converted to a cold headed seamless hollow dowel

**Savings to the customer:**

- ▶ Fastener manufacturing process to cut down on lead times and manufacturing time
- ▶ Less material being used in the manufacturing process
- ▶ Less expensive part vs. screw machine
- ▶ Cold heading work hardens the part to make it stronger than a screw machined part
- ▶ Savings of 15% to the customer

**Industry:** Auto, Sport, Marine

**Current Part:** Ground Dowel Pins with chamfered ends

**EngiNomics® Solution:** Replace the Ground Dowel Pins with Driv-Lok Split Hollow Pins

**Savings to the Customer:**

- ▶ Eliminate hole reaming for current applications
- ▶ Eliminate the need for an additional hole on new applications
- ▶ Overall 20-50% cost savings by converting to the Split Hollow Pin vs. the Dowel Pin
- ▶ Reduce the customer assembly cost

**Industry:** Motorcycles

**EngiNomics solution:** Improved plating technology; Changed the plating process to provide a finish with a longer visual life and appearance

**Savings to the customer:**

- ▶ Improved customer satisfaction
- ▶ Tripled the visual life on this very visible application
- ▶ Protects the part from environmental exposure
- ▶ 10% cost savings to the customer vs. converting to a stainless steel material

**Industry:** Transmissions

**EngiNomics solution:** Product improvement; better end configuration to help eliminate damaging the hole on insertion

**Savings to the customer:**

- ▶ Hole not destroyed
- ▶ Savings on scrap
- ▶ Faster assembly of the part
- ▶ Better alignment