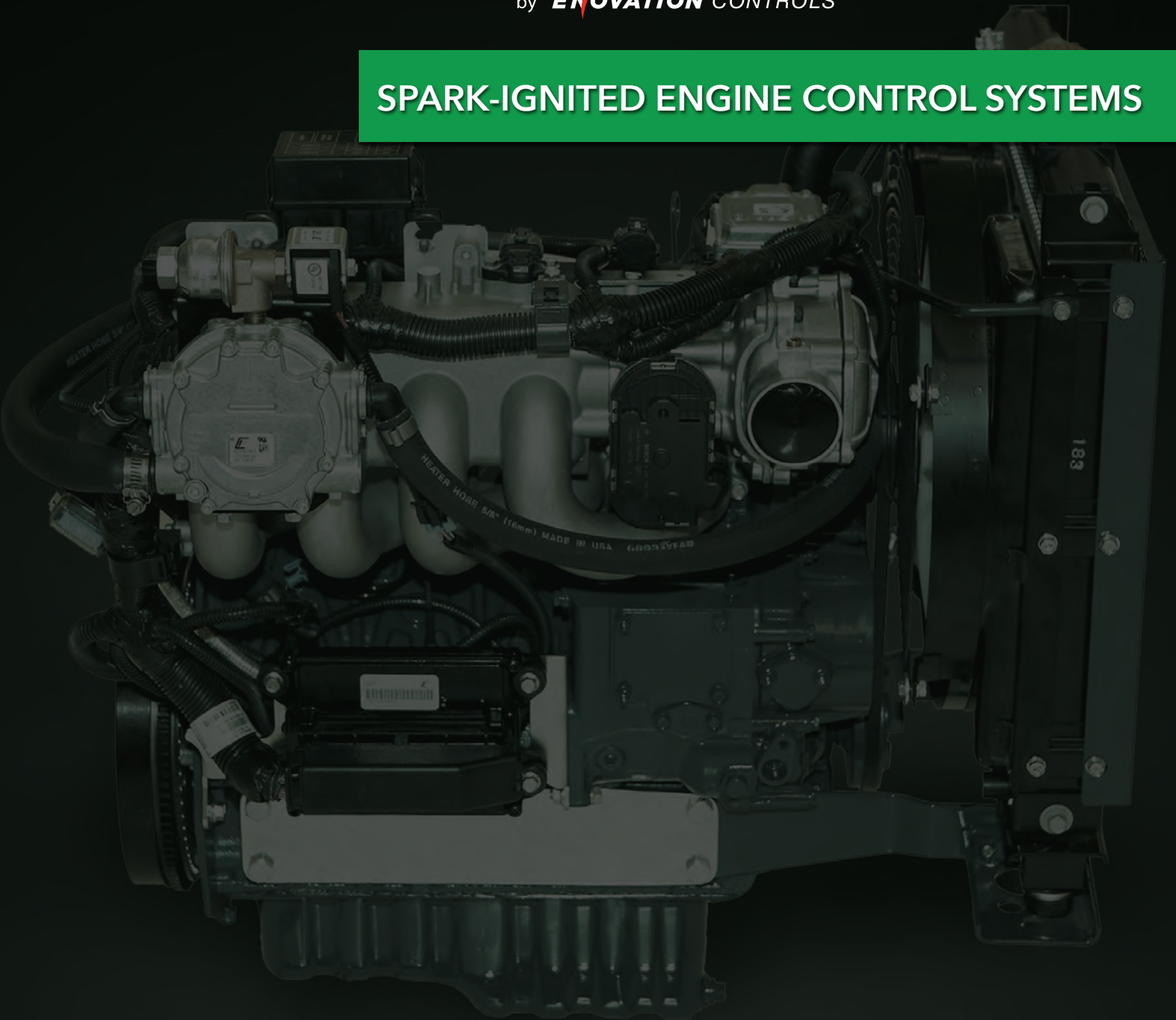


# **E**Controls®

by **ENOVATION** CONTROLS

**SPARK-IGNITED ENGINE CONTROL SYSTEMS**



# COMPLETE SYSTEM APPROACH

## TO OPTIMIZE PERFORMANCE & COSTS

### Spark-Ignited Engine Control Module (ECM)

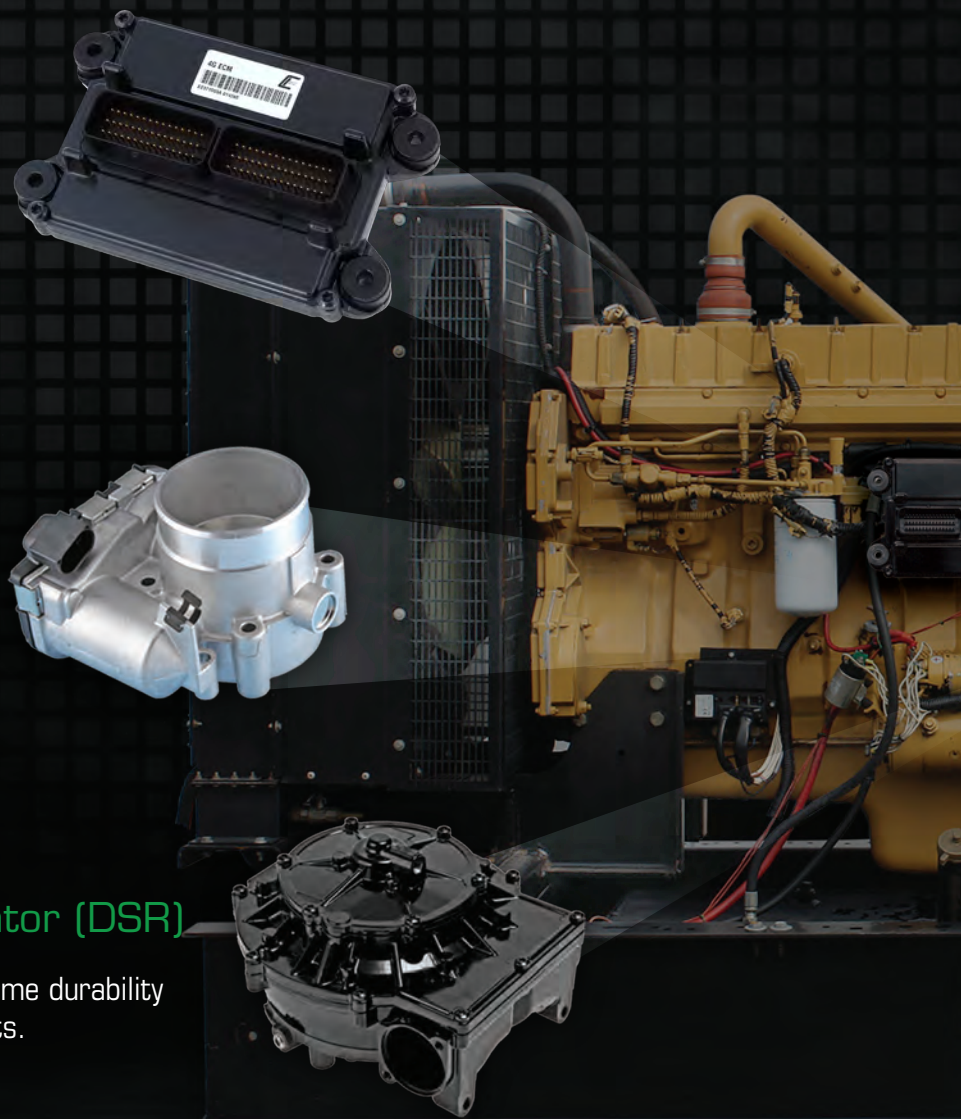
Each ECM controls spark and fuel, full diagnostics and all inputs and outputs, which easily interfaces with all genset controllers.

### Electronic Throttle Body

This product provides high performance speed governing to meet the most demanding load acceptance requirements with proven durability and reliability.

### Heavy-Duty Dual Stage Regulator (DSR)

Our two-stage regulator is designed for extreme durability and features lower temperature LP cold starts.



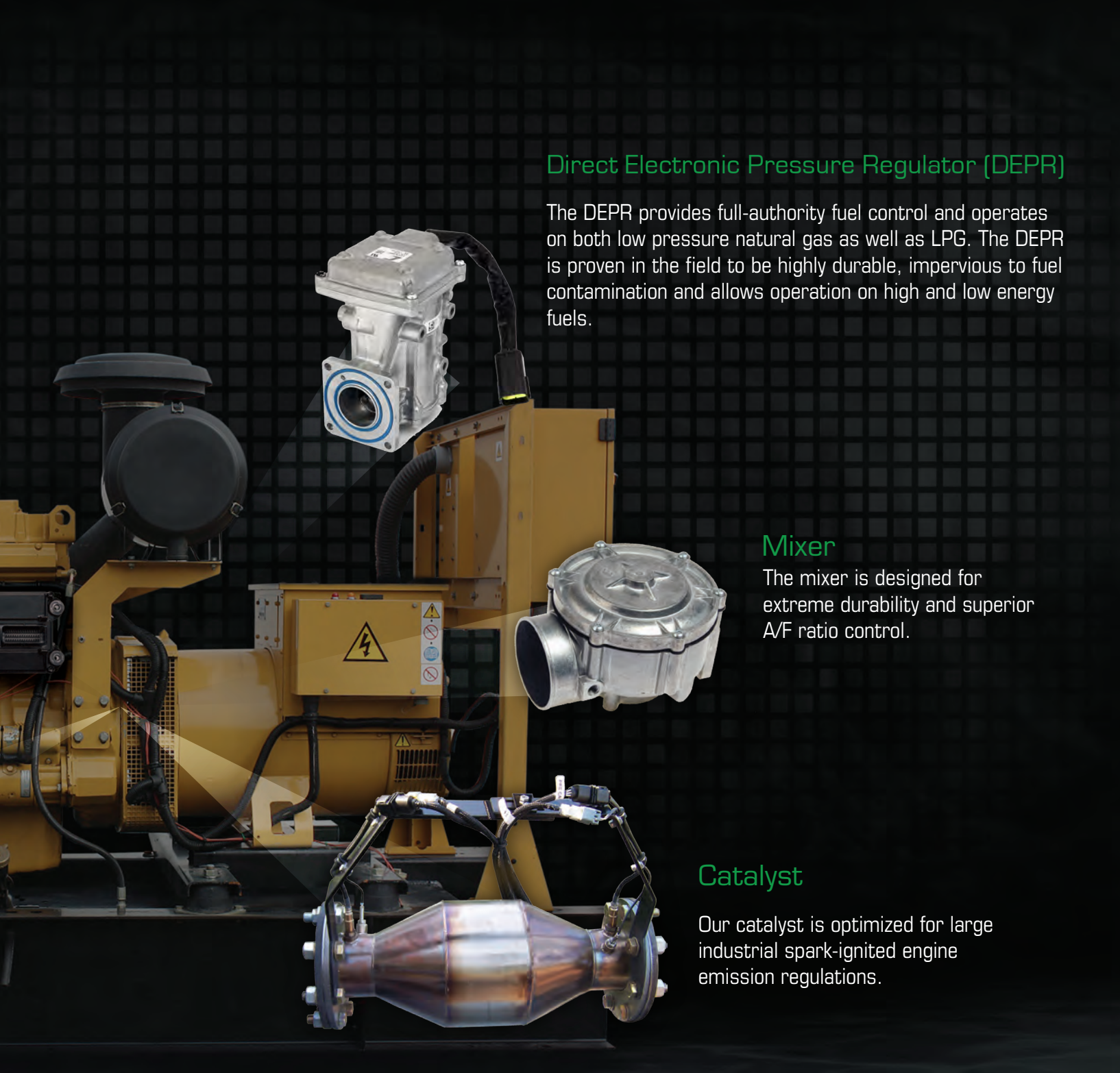
### Base Engine Consultation and Design

We have a very extensive and broad knowledge of the base engine design, which allows us to offer development services for combustion chamber design, ignition system design, optimized cam design, turbocharger matching, intake and exhaust manifold modeling and design and fuel control, to name a few. Depending on the customers' requirements, we design or consult as little or as much as is requested.

### Engine Calibration

We take pride in our ability to work with engine manufacturers to implement design modifications to a base diesel or gasoline engine allowing them to operate on natural gas, LPG and gasoline. Our dynamometer facilities are world class. With these facilities, our technicians and engineers can quickly install our engine control system, instrument the engine, complete the engine calibration and perform the required emission certification testing. The value to our customers is speed to market with an engine that performs optimally in regard to emissions, power and efficiency.





## Direct Electronic Pressure Regulator (DEPR)

The DEPR provides full-authority fuel control and operates on both low pressure natural gas as well as LPG. The DEPR is proven in the field to be highly durable, impervious to fuel contamination and allows operation on high and low energy fuels.

## Mixer

The mixer is designed for extreme durability and superior A/F ratio control.

## Catalyst

Our catalyst is optimized for large industrial spark-ignited engine emission regulations.

## Engine Control Systems

Our engine control systems have been designed, tested and proven countless times in the field across a multitude of applications around the world. We are the industry leaders in the emission-regulated markets. Our continuous flow fuel control valves along with our model-based engine control modules allow our customers to reduce engine-out emissions, improve fuel economy and eliminate any concerns regarding contaminated or poor quality fuel.

## Quality and Technical Support

EControls has implanted a Global Operating System focused around Lean Six Sigma to identify and remove variables in our manufacturing and business processes. By pinpointing areas of improvement, we are able to provide our customers with faster delivery time and higher quality products. To better serve our customers, we also offer 24-hour customer service support and an in-house technical service department to answer all of your questions.

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