

Magna International

- **FUEL TYPE** Natural Gas
- **APPLICATION** Automotive
- **KW PRODUCTION** 800
- **LOCATION** St Thomas, Ontario, Canada

## About This Project



The industrial conglomerate MAGNA, a manufacturing giant employing more than 200,000, strives for an ethical and responsible performance in all aspects of their business. Innovation is MAGNA's core business. Doing so, delivering smart, best-in-class experience, using clean, efficient and sustainable energy solutions, and safe performance is crucial. As a leading global automotive supplier, MAGNA always focuses on delivering superior value through innovative processes and world class manufacturing. Instead of a conventional design-build, or site-build process, the company decided for a fully containerized, Plug & Play CHP system. 2G Energy Inc. received an order for a 2G avus 800 natural gas cogeneration module to be installed at FORMET Industries, a 100% MAGNA subsidiary. The 100% modular all-in-one and connection-ready cogeneration system will significantly reduce energy costs, as well as eliminate technical risks during quick installation and start-up. MAGNA Industries benefits from the integrated and fully containerized package by achieving a much higher overall electrical and thermal efficiency of close to 90%, reliability, durability, extended life, and fast on-site installation with lower maintenance costs. The natural gas fueled cogeneration system provides clean electricity and thermal energy to FORMET Industries, a manufacturer of truck frame assemblies using hydro-forming technology in Ontario, Canada.

The 2G cogeneration system was selected by MAGNA for its outstanding quality and unique design features including high efficiency gas engine technology, a factory designed, packaged and tested CHP module, a fully integrated heat recovery system, an integrated fresh and waste oil storage system, a unique sound attenuated enclosure module, and ease of integration with the existing building systems.

## Additional Details

- **TOTAL ELECTRICAL POWER**  
800kW
- **MODULE**  
avus 800
- **CONFIGURATION**  
Container Module

