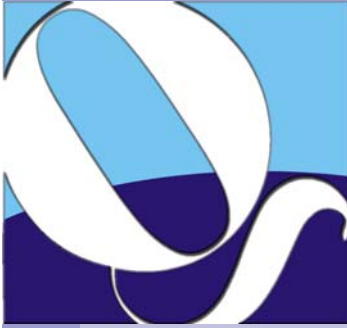


# Case Study



## XYZ Motor Co.

XYZ Motor Co. has become an American icon, representing trust, quality and value in the eyes of motorists everywhere. XYZ Motor Co. began in 1920 in Detroit, MI.

The company, which makes motor vehicle gasoline engines and engine parts has ridden a wave of strong demand in Europe for gasoline engines that use its turbochargers—fuel injection systems that gives gas engines speed while maintaining

fuel efficiency.

Third party tests on their gasoline engines confirmed the performance of their innovative XYS-009 emissions reduction technology to meet or exceed the most stringent air emissions standards in the United States.

You have been hired by the Director of Quality and Engineering to implement the Six Sigma Methodology and tools to improve their business operation.



XYZ Motor Co. in Detroit, MI

### Business Strategy

XYZ wants smaller, more efficient engines that are flexible enough to be used for many applications across many markets. The strategy is part of a drive to reduce investment costs while

maximizing capacity. XYZ will then extend the flexibility to its manufacturing facilities, where multiple applications for multiple markets can be built on the same line. There

are four top things customers are looking for in the engine industry: Price, Horsepower, Torque, and Fuel Economy.

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#### Special points of interest:

- Read carefully
- Use facts not opinions
- Take notes