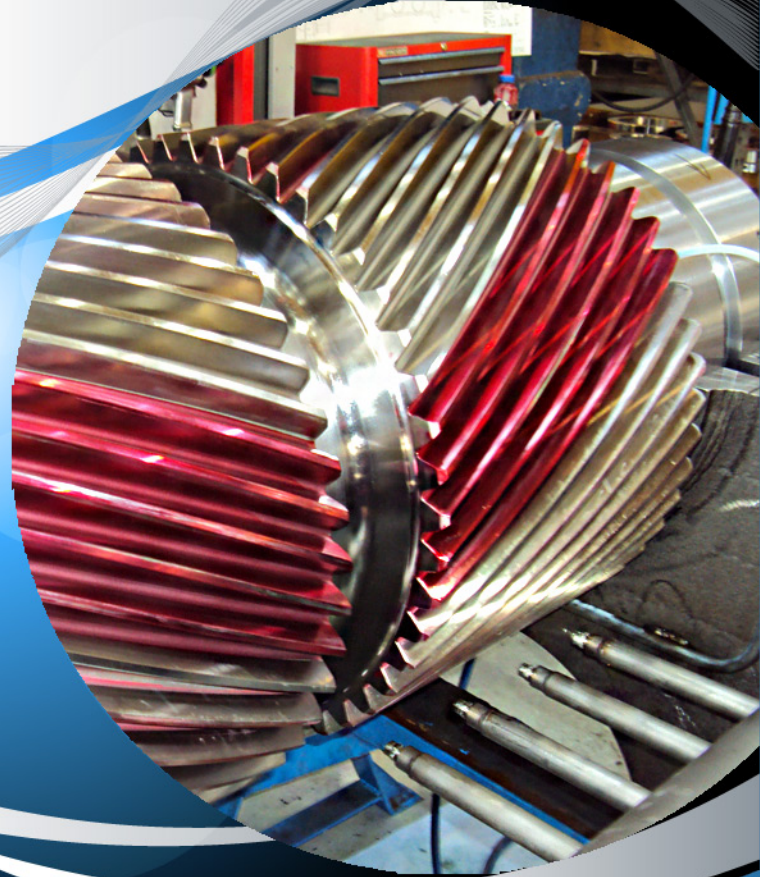




FGGS
FIELD SERVICES



Project Background:

Dyno Nobel is a leading supplier of industrial explosives and blasting services to the mining, quarrying, seismic and construction industries. Dyno Nobel is the market leader in North America – the largest explosives market in the world – and the second largest supplier in Australia – the third largest explosives market in the world.

FGGS Added Gear™ Approach:

Dyno Nobel's plant in Louisiana, MO was changing multiple processes at their plant, which would decrease their steam production. These changes resulted in decommissioning of their steam turbine, which drove their sulfuric acid compressor. FGGS working with SIEMENS, developed a 3.7MW electric motor to increasing gear solution.

Transferred Power:

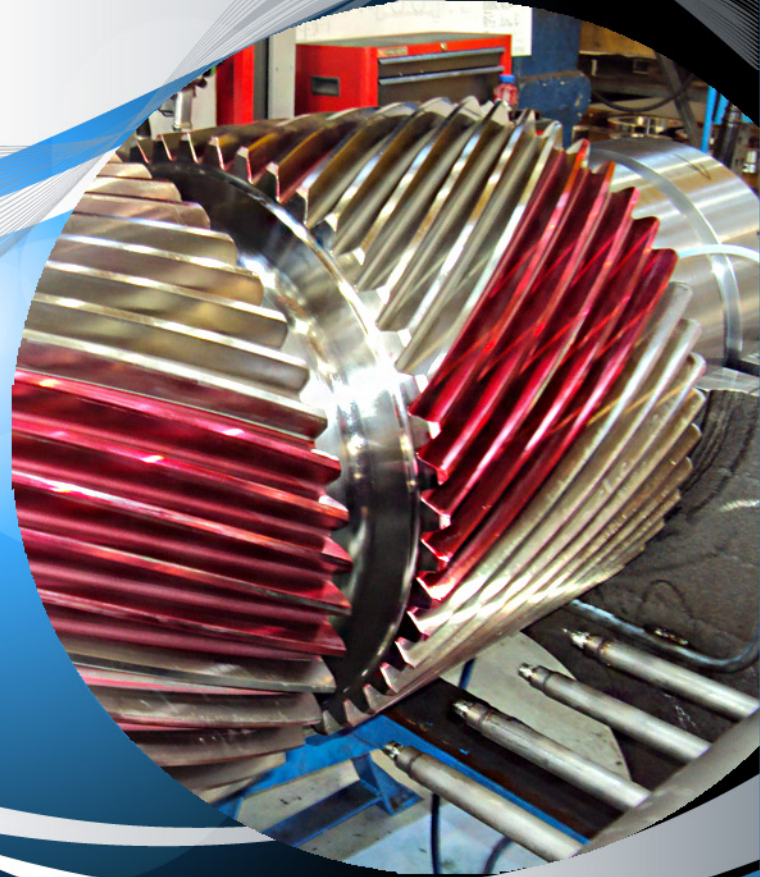
FGGS designed and increasing gear to meet the specifications of the new Siemens motor and existing

DYNO
Dyno Nobel

CASE STUDY



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Dresser Rand compressor. Not only was FGGS able to supply the custom gearbox, FGGS field service engineers assisted in the installation and provide technical assistance after start up.

Outcome:

Dyno Nobel was able to successfully convert from a steam turbine to an electric motor. FGGS was able to design, manufacture, and install an increasing gear, which met the customer's time frame and design constraints.

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CASE STUDY