

Case Study - UMD for Gas Turbine

**KRAFT
POWERCON**

Secured power to gas turbine auxiliaries

Case

A multinational pipeline company in Canada owns and operates pipelines throughout Canada and the United States, transporting crude oil, natural gas, and natural gas liquids.

During 2019 the company conducted upgrades and a number of reliability enhancements on the southern portion of its natural gas transmission system.

Five new compressor units driven by GE LM2500 Gas Turbines and associated equipment to support their operation was ordered and installed.



Challenge

To increase reliability and availability the customer chose KraftPowercons UMD solution. The UMD for each gas turbine powered the following drives.

- 2 units of lube oil pumps, 50HP each
- 3 units of oil cooling fans, 15HP each
- 2 units of ventilation fans, 125HP each

Solution

The UMD system is in continuous operation and the transition between mains and battery power is seamless. The UMD provides constant full power to the drives during any disturbances on the utility supply. Consequently, UMD eliminate the need for any additional equipment to compensate for pressure drop in the lube oil system and enable full availability for the fans.

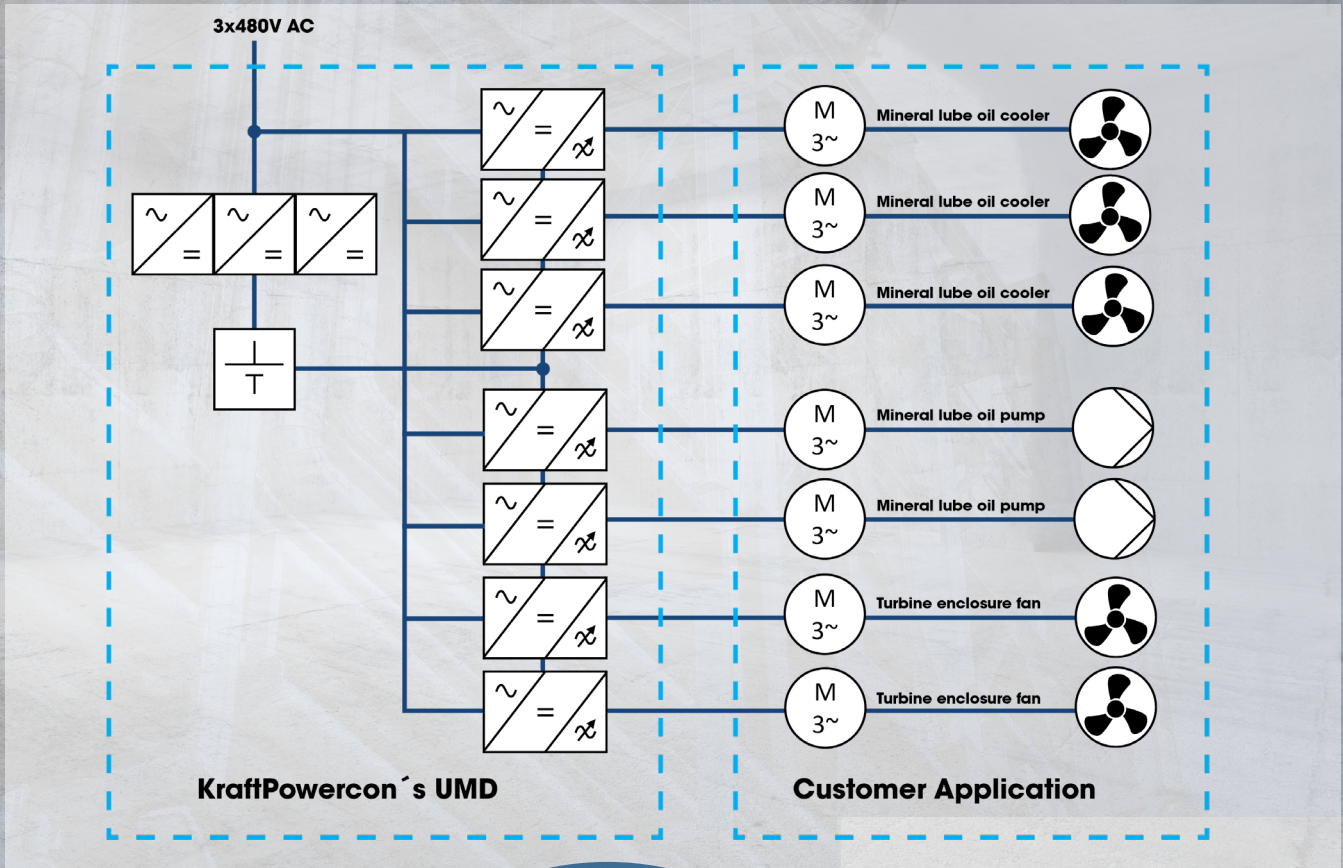
The use of standard components simplifies the maintenance process and reduces downtime for servicing.

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Uninterruptible Motor Drive - SLD Solution



"Our UMD system ensures full availability for critical gas turbine auxiliary drives"
- David Persson, Sales Executive, KraftPowercon

