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# Enertech: Grundfos CR pumps with LiqTec seal technology pave the way for Philippine boiler export

Enertech Systems Industries Inc. in Quezon City, Philippines, is the country's leading manufacturer of boilers and boiler systems. However, problems with previously used feedwater pump makes was a major hindrance in the export of the boilers to other regional markets.

Thanks to the high efficiency that the Grundfos range of CR pumps offers and the highly advanced seal technology available for these pumps, Enertech Systems Industries now enjoys considerable success in the South East Asian markets.

## The Situation

Philippines based Enertech Systems Industries Inc. employs some 200 people and serves roughly 60% of the country's market for industrial boilers. An irritating and costly problem with some boiler feed pumps is their sensitivity to the high working pressure and high temperatures related to these applications.

The high working temperatures were a common cause of shaft seal failure with the other pumps that Enertech used to apply for their boilers. This obviously resulted in customer complaints and loss of revenue due to loss of repeat business and reduction in profit due to increased after-sales service.

## The Grundfos Solution

The Grundfos LiqTec was specially developed for the Grundfos CR range of high efficiency pumps. The most common cause of pump failure is dry running. Grundfos' dry running sensor LiqTec stops the pump immediately if there is no liquid in the pump.

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### LOCATION:

Philippines

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### COMPANY:

Enertech Systems Industry

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The electronic control unit can also be connected to the pump's thermistor, which measures motor temperature. The system automatically shuts down the pump if the motor overheats. Using the Grundfos LiqTec there is no need for a PTC relay as the LiqTec takes over the function of the PTC sensor.

#### The Outcome

After switching to the Grundfos CR pumps equipped with the unique LiqTec sensor, Enertech has experienced a substantial drop in pump failure on their boilers. The high efficiency of the CR pumps allows for substantial energy saving. The LiqTec sensor all but eliminates pump failure caused by overheating or dry running.

Combined, these features have made Enertech boilers much more competitive and as a result these boilers are now being exported to a number of South East Asian markets, including Indonesia, Vietnam, Papua New Guinea. More than 100 boilers fitted with Grundfos CR pumps have so far been supplied to a variety of industrial plants in these markets.

For Enertech Systems Industries the outcome has been a substantially larger turnover, and a more profitable operation, and improved customer relations.

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## Related Products



### CR VERTICAL MULTISTAGE CENTRIFUGAL INLINE PUMPS

Multistage pumps for pressure boosting in a wide range of applications