



# Pipeline

## Sensing Monitoring

► “Our integration expertise and services enabled the customer to scale their projects quickly for a diversity of sensing applications while gaining a greater control over their supply chain and an increased level of continuity.”

### Product Development Manager, Captec

The solution is for a high-profile customer operating in the energy industry, providing innovative sensing solutions to the oil and gas, pipeline and security markets. The customer combines professionals from within the energy sector and cutting edge industrial photonics in order to deliver unique environments that act to enable the development of exciting new solutions.



## Requirements & Issues

- ▶ Projects must be delivered application ready and designed for versatility in production volume
- ▶ Improve on restrictive outcomes of COTS products
- ▶ Minimise the impact of air ingress
- ▶ Scalability must be optimised for a considerable application roll out
- ▶ Requirement of complete supply chain control to secure continuity
- ▶ Effective function of the solution requires an application specific PDU

## The Solution

- ▀ Cabinets delivered pre-integrated, suitable for small and large scale production
- ▀ Captec's design team corrected all legacy issues through modifying a COTS cabinet
- ▀ Custom airflow and filtering designed to minimise the effects of air ingress
- ▀ Scalability achieved through use of long-life components and full documentation
- ▀ Required longevity achieved through expert component selection and supply consolidation
- ▀ Collaborative work with an independent manufacturer to design and develop a bespoke PDU



## The Outcome

- ▀ Project delivered as application ready off-the-shelf cabinets
- ▀ Commercially available solution but with modifications to achieve the industrial features required
- ▀ Cost effective project through the leverage of modified (COTS+) components
- ▀ Overall solution flexibility accommodates a number of sensing applications



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