



## IPU Starting Case Study

# Air Start Packages – Sakhalin Island

**APPLICATION:** LNG plant  
**LOCATION:** Sakhalin Island (Russia)  
**ENGINE:** Caterpillar 3608

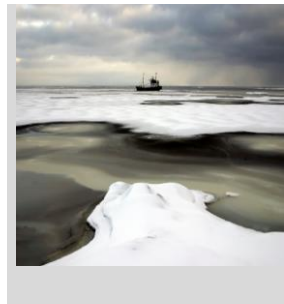
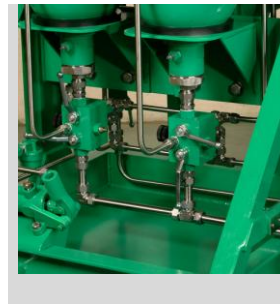
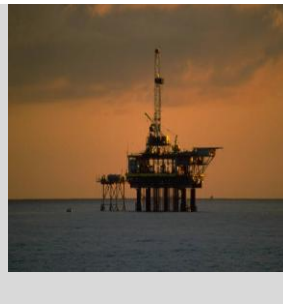
### SOLUTION:

Two CAT 3608 emergency generator sets located on a jetty required separate compressed air secondary starting systems. Winter operating temperatures down to  $-36^{\circ}\text{C}$  had to be considered in the design of the packages.

The system was sized for six, 10 second cranking cycles and for operation in a Zone 2 environment. The main starting air receiver had a capacity of 1000 litre air and had to be refilled from empty within 15 minutes. The starting air receiver also fed a 100-litre instrumentation air receiver. The air compressors were heat traced, as were the stainless steel pipe work and valves. The PLC and system controls were housed in a stainless steel, explosion proof enclosure. The finished system was delivered with full GOST certification.



For more information contact a member of our Starting Sales Team on +44 (0) 121 511 0400



## IPU GROUP Engine Starting Division

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