



**“Optimization of power supply systems for marine, road or rail transport that use natural gas in liquid form”, POIR.01.01.01-00-0842/16-00**

## **SPECIFICATION**

### **Description:**

The aim of the request for proposal is delivering one set cryorefrigerator and compressor necessary for the realization of the project, contract no.: POIR.01.01.01-00-0842/16-00.

### **Common requirements:**

Set should be adapted to work in the Polish electricity system. The compressor should be adapted for cryorefrigerator. The compressor should be water cooled and equipped with an interface for remote control and diagnostics.

### **Warranty conditions:**

The cryorefrigerator shall be covered by operation warranty on all parts and workmanship by the manufacturer in the period of at least two years or 5000 hours work (whichever comes first).

### **Requirements for implementation:**

The offer should include maintenance spare part for the set after 10000 hours work and specification of the offered set.

### **The set should have:**

- Performance 100W @ 80K (+/- 5 W) when working on 50 Hz electric supply
- Circular cold tip at diameter from 57 [mm] to 70 [mm]
- Pair of HP/LP flexible helium hose minimum 3 m length
- Spacing of mounting holes 146 mm every 90 degrees (+/- 1 mm)
- Mounting holes for the M6 screw
- RS232/485 interface for remote control and diagnostic