

# DH Industries

DH Industries specializes in the design and production of cryogenic cooling systems using its two products brands, Stirling Cryogenics and CryoZone.

Stirling Cryogenics produces Stirling Cryogenerators in different versions, producing cooling power from 15 to 150 K, from 25 W to 8 kW.

Stirling Cryogenerators are the base of all DH Industries systems to produce LN<sub>2</sub>, LO<sub>2</sub> or LAir on-site. They are also the core of our closed loop cooling systems, either around 20K using He gas as thermal fluid, or (sub-cooled) LN<sub>2</sub> at temperature from 67 up to 100 K.

CryoZone offers an extensive choice of cryogenic gas circulation fans called CryoFans, cryogenic pumps and heat exchangers for third-party cryocoolers. CryoZone's expertise extends to everything that involves the control and circulation of cryogenic fluids and gases, such as LN<sub>2</sub> and GHe, to cool and heat an application.

Combining these different components, we can design and produce a large variation of system concepts, adapted to the needs of a particular application.

Examples of cryogenic cooling systems based on the use of Stirling Cryogenerators and CryoFans are the liquid argon cooling system for Icarus, INFN Italy; cooling of neutron moderators at IFE Kjeller Norway, ISIS Chilton Didcot UK and Oyster in The Netherlands; several HTS cooling systems at 20 or 67K in USA, Europe, Russia, China, Korea and Japan, as well as re-liquefaction of boil-off of methane in the LNG logistic chain.



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