



Bluefors Oy

We offer a variety of models of dilution refrigerator measurement systems to meet the specific needs of each customer. These models can be further equipped with a wide range of options. For example, experimental wiring, optical access, and magnet integration. Our systems can be customized to meet the requirements of each intended use by allowing the customer to get in direct contact with the scientists and engineers that design their system.

Company History



University) to move and upgrade all of their dilution refrigerator systems. One of the tasks was to construct a versatile, fully automated gas handling system capable of working in combination with all the different dilution refrigerator systems. At the same time Rob started to develop the first cryogen-free dilution refrigerator system for the LTL.

In the summer of 2006 the newly developed gas handling system underwent first tests in combination with the first prototype of the cryogen-free dilution refrigerator system. It became immediately apparent how simple and easy it was to operate the fully automated cryogen-free (“dry”) dilution refrigerator system as compared to a conventional “wet” dilution refrigerator system. The great interest that followed led to the business idea of commercializing these systems.

Rob contacted study friend and cryogenic engineer Pieter Vorselman (MSc physics, Leiden University). Together they optimized the automated cryogen-free dilution refrigerator system for reliability, ease-of-use and performance. In 2007 the first system was taken into use by the NANO group of the LTL and shortly after in 2008 BlueFors (Blaauwgeers-Vorselman) Cryogenics was founded.

BlueFors quickly established itself as a market leader in the field of cryogen-free ultra-low temperature systems. The company is today known as Bluefors Oy with over 200 employees it has an annual revenue of approximately 60 million euro.



Together Pieter and Rob have over 40 years of ultra-low temperature physics and engineering experience.

Statement

We are dedicated to build easy to operate one push button cool-down cryogen-free dilution refrigerator measurement systems suited to the needs of each particular customer. Our dedication and expertise will make sure that each final product is trouble free with a guaranteed long lifetime.



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