

EHEDG NZ Committee Member Profile.



Name: Shane Mason
Company: Pentair (New Zealand Ltd.)
Position: Engineering / R&D Manager
Location: Hamilton
Committee Role: Current Co-Chairperson (Process Equipment Sector)

Biography:

Shane Mason is a very experienced professional mechanical engineer, currently working as Engineering / R&D Manager for Pentair Flow Technologies Pacific Pty. Ltd based in Hamilton, a position which he has held since 1992. Shane has an NZCE in Mechanical Engineering from Waikato Polytechnic.

His career in the food industries began at MIRINZ (The Meat Industry Research Institute of NZ) designing, building and testing prototype mechanical de-boning equipment for lamb carcasses.

He then moved to NDA Engineering in Hamilton as an R&D Engineer / Technical Sales Manager developing farm milk holding tanks and ancillary equipment. He solely developed new techniques for Hydro-forming of stainless steel vessel domed ends, used for both the fabrication of road tankers and large liquid storage silos, and also designed some of the first free standing domed bottom milk silo's now the Dairy industry standard in NZ and Australia.

In his role with Pentair he has had sole responsibility for the re-development and ongoing support of all products in the current Pentair Hygienic Valve portfolio and including a HOVAP Hygienic pump range. The projects involved: plastic and electronic component design, PLC BUS protocols, valve control variants which included the integration of other OEM pneumatic valves and electronic sensors, plastic tooling design, elastomeric seal design and large automated valve manifold design incorporating some of the latest mix-proof valve technologies.

A key element of this work has been application of hygienic design principles, and he has undertaken both 3-A and EHEDG certification requirements for the products and markets that Pentair serves. As a specialist in hygienic valve design he also frequently advises on the correct valving selection for specific applications.

Shane is an EHEDG Authorised trainer and is currently co-chairperson of the EHEDG New Zealand Regional Section.

