

## **Safety Equipment Australia Pty Ltd Company Profile**

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### **Background**

Established in Sydney in 1984, Safety Equipment Australia (S.E.A.) specialises in the field of respiratory protection. We are the importers and wholesalers for Sundström Respiratory Systems and the exclusive Australian Agents for Trellech protective suit range, Interspiro SCBA and Granuldisk Solo Rescue SCBA cleaning machine.

### **In-house facilities**

Over the past decades, Safety Equipment Australia has also entered the international arena as a designer and manufacturer of the world's first high-performance positive-pressure demand CBRN equipment, notably the SE400 and SE40 respirators. These products were designed, developed and engineered in-house utilising the sophisticated CAD-CAM engineering facilities, test laboratories, tool workshops, manufacturing and assembly resources located on the premises. These facilities enable the company to conduct its own research into human physiology and the interface between wearer and respirator, improving equipment design to meet physical requirements. All of this ensures that design, quality and manufacturing are completely within the company's control.

Safety Equipment Australia also incorporates well-equipped in-house testing and service facilities run by a team of highly qualified personnel. These facilities contribute not only to quality checking, service and repairs, but also to the possibility of custom-building equipment for customers with specific needs.

### **Education, Information, Training Support**

The company has built up a strong knowledge base both in terms of human resources and information material. In many places, company representatives are required to pass a comprehensive authorisation training program. Post-sales facilities include training programs,

individual fit testing, access to the S.E.A. chemical database of hazardous substances, an extensive up-to-date library, the latest research reports, and extensive web-based resources — for instance, most S.E.A. training programs are available on the company's web site.

### **New products and developments**

The team of highly qualified personnel and facilities contribute not only to functionality checking, service and repairs, but also to the possibility of tailoring equipment to customers' specific needs. A strong knowledge base has been built up both in terms of human resources and information material. New products are continuously developed, tested and refined, not only in the respirator arena, but also in communication equipment and safety management software.

### **Manufacturing**

The company's manufacturing operation covers five main product areas: CBRN respirators, In-mask electronic voice communication, accessories, protective CBRN suits and software (equipment usage and real time respirator monitoring).

### **Sponsorship of research projects**

S.E.A. has long been a sponsor involved in various research programs on aspects of human breathing physiology and respiratory protection. The current scholarship research program (sponsoring a student from the University of Wollongong) is on '*Measuring Real Time Workplace Breathing Rates through Respirators*'. The aim of this research is to inform manufacturers and users of respiratory protection on whether they are receiving adequate protection from carcinogenic diesel engine exhaust. In turn, this may lead to design changes, resulting in increased confidence in respiratory protection as a control measure against exposure to hazardous substances in the working environment.

### **International approvals, global recognition**

S.E.A. conducts all operations under a Quality Management System which is certified to ISO 9001:2015. This interfaces externally with customers e.g. our Servicing Procedure for

accepting goods inward for maintenance and our Pressure Test Document for Trelchem Suits. We also hold NIOSH (USA) and INSPEC (EU) CBRN approvals.

S.E.A. is involved with the well-respected International Society for Respiratory Protection (ISRP) with Vice Presidents and Presidents being elected eight years in a row in the past. S.E.A also arranged both the Society's biennial international conference in Sydney (2000) and in Hong Kong (2010).

S.E.A. is often consulted by and plays an active role in a number of important organisations, including ISRP, ISO, NIOSH and Australian Standards.