

Our Newsletters contain a wealth of information that is not available elsewhere in the industry. Archives of previous newsletters are available here:

<https://www.orion-fire.com/newsletter-archive/>

Please feel free to share our newsletters with your colleagues. We welcome feedback on these newsletters by emailing news@orion-fire.com.au.

Coronavirus Restrictions

2020 has been a very busy year for many reasons. We were all geared up to attend Interschutz 2020 to release some exciting new products, however like most things in 2020, it has been postponed.

Instead we will be releasing the new products progressively via our Newsletters and website over the next few months.

Our factory has been operating as normal throughout the restrictions. We have re-organised our workshop and offices to allow strict social distancing to be maintained, as well as providing a large amount of hand sanitiser for our staff to enable us to continue to manufacture as normal.

Australian Manufactured

We are often told by our customers that they are surprised to find out that our products are made in Australia. It seems that sometimes, we Australians don't believe in our own ability to make world class products, despite there being plenty of well known, world class Australian products. Our world class monitors and foam system components are designed and made in Australia.

We have the flexibility to fill orders with short lead times, as well as offering superior local support and spare parts off the shelf. These are benefits which are often overlooked.

As a designer and manufacturer, Orion has a great depth of technical knowledge that is not available from product distributors and that knowledge is just a phone call or email away

Hazardous Area Remote Monitors

This newsletter features one of our flagship products, our remote controlled monitors.

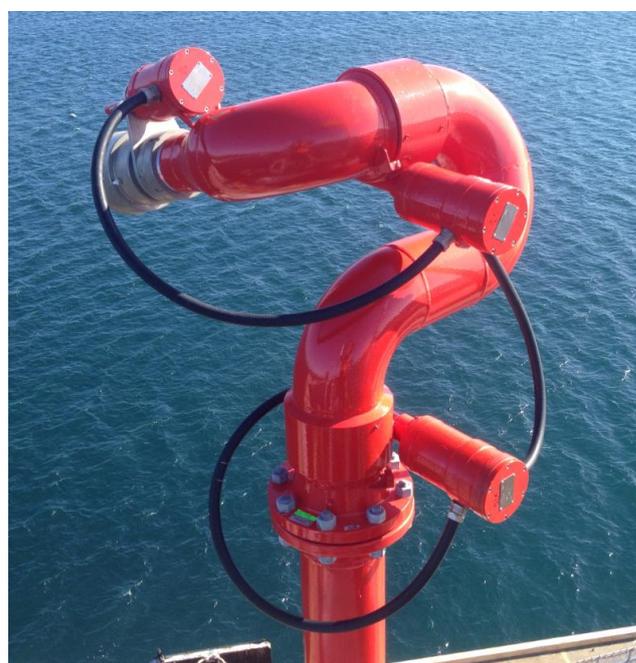
Orion remote controlled monitors have been pushing the capabilities to new levels since we manufactured our first hazardous area remote controlled monitors for Townsville

Port in the early 1990's. These monitors featured one of the first radio remote control systems and achieved nozzle throws better than available elsewhere, and they are still operational today.

In the early 2000's we designed and manufactured the first touch-screen controlled remote controlled monitors that were also fully networked - for two FPSO's in Brazil.

Today, we have incorporated three decades of experience into the design of our latest remote-controlled monitors with the aim of producing the most reliable and user-friendly system available.

Orion EXd Monitors



We have purpose designed & built Exd motors for our latest monitors that are natively networked, low power and corrosion resistant to a degree not found for any other motor. The motors have brass IP66 housings that are able to provide unmatched reliability. There is nothing to rust.

Being natively networked, we have access to real-time motor status such as operating temperature, current and voltage. All limit control and position sensing is built into the motor, meaning there are no external switches or sensors. This reduces wiring and complexity, and greatly increases reliability.

The simplicity of the system also means fast installation and commissioning. Only one power and one network cable are

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Any questions about this email or other Orion products and services?

Simon Elliott
SElliott@orion-fire.com.au
Mob: 0404 742 674



Orion Fire Engineering
26A Lyn Parade, Prestons, NSW 2170,
Australia
www.orion-fire.com.au

needed per monitor and there is no need to access the monitor to set the movement limits. Instead, you can log into the monitor in the control room using a web browser and you can adjust the movement limits & motor speed as well as access system diagnostic information.

The monitors can automatically oscillate and park and they report their operating status continuously. They can also be set to run a periodic automatic self-test for a complete functional test.

The monitors were also designed with energy efficiency in mind. This can reduce infrastructure costs including a smaller UPS for ultra-reliable installations. A typical monitor requires a total of 240 Watts of power for continuous operation (not including the control panel). Lower power is possible with the 65mm and 80mm models.

Today our nozzle designs also achieve 'best in class' performance.

Being intrinsically networked, the monitors are capable of being operated remotely via any available network infrastructure including the Internet.

Monitors are available with IECEx and ATEX certification, Class 1 Zone 1.

Smart Remote Monitors

IP66 Trainable Monitors



We first displayed our trainable & programmable IP66 monitor at Queensland Mining Show (QME) in 2016, a monitor which can be trained to repeat a movement routine at the touch of a button.

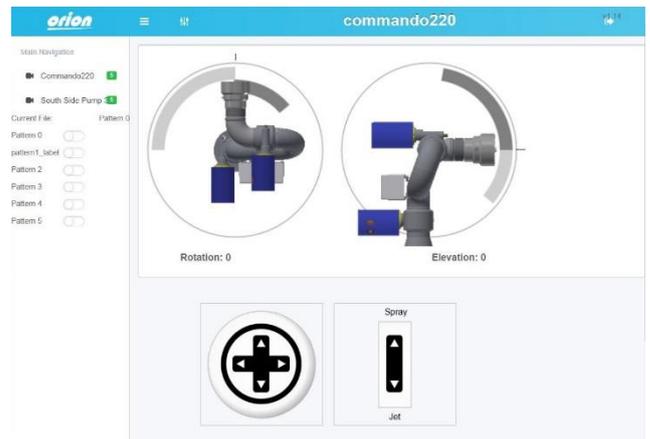
Where repetitive washdown movements are required, an automated monitor can be installed to reduce the need of

human interaction. This is particularly useful when dealing with conveyors and fixed plant, as well as vehicles etc.

It is not only limited to washdown however, and can also be used for fire fighting and for dust suppression if required.

The monitor can be provided with a straight jet nozzle, ideal for washdown applications, but also with a fog nozzle, which is suitable not only for washdown, but also for fire fighting or dust suppression.

The monitors can be controlled from a local control panel, however are more commonly supplied with Ethernet access to allow control from anywhere with access to that network.



Since we introduced it, we have been working with a number of customers who are interested in the benefits of the trainable monitor. Installed units are proving to be very reliable and problem free.

These monitors are not limited to washdown applications. We have customers interested in using these monitors for dust suppression for automated mining roads, dust suppression on coal piles, automated truck washing, as well as guano removal on un-manned offshore helidecks.

In order to showcase this monitor, we have a demonstration monitor set up in our office. Users from anywhere in the world are able to log on and operate the monitor to see how the system works.

The monitor can be accessed on the address below, using the login code of "8888".

<http://sydney.orion-fire.com.au:8181/#/page/login>

Our hazardous area monitors have similar features and we plan to make one available as an online demo in the next few months.

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