

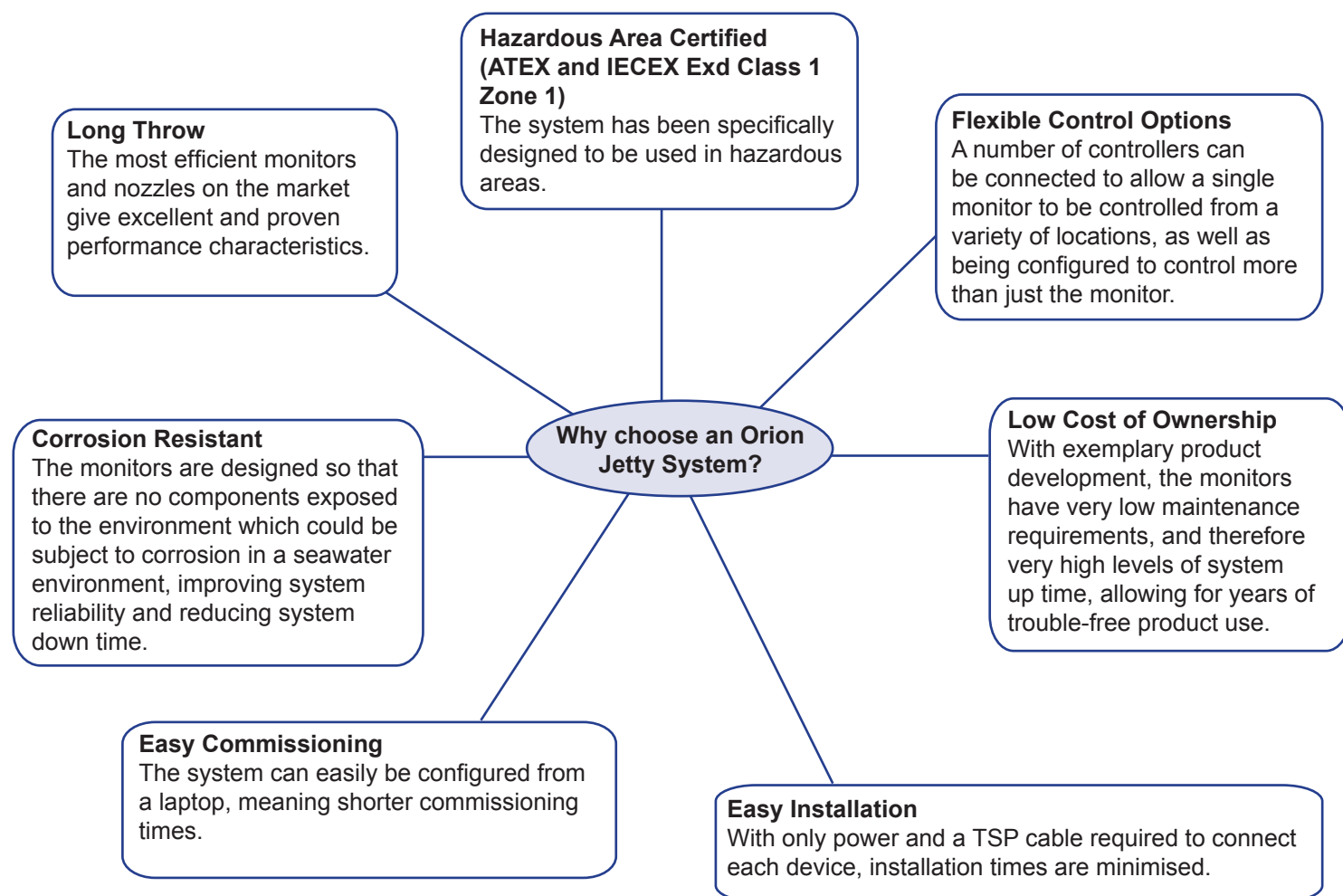
Jetty Monitor Systems





Orion Fire Engineering is an engineering company based in Sydney, Australia, which specialises in the design and manufacture of fire fighting equipment, predominantly for the oil and gas industry. Established in 1985, the company has developed into a market-leader in the fire industry, and has supplied products to protect major assets all over the world.

The Orion Jetty Monitor System is a highly effective fire monitor system for use on jetties. The system uses Orion's renowned hazardous area monitors, and combines it with a robust control system to give the user a fire protection system that they can rely on for many years. The standard system consists of a monitor and single controller, however Orion can configure a system to suit almost any user requirements

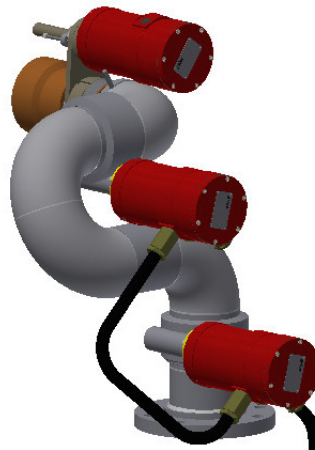


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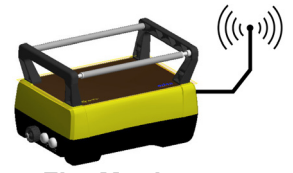


Jetty Monitor Systems Explained

Our monitor system is designed so that each monitor is a completely self-contained system with a wide variety of optional equipment. Communications within the system can use RS485, fibre-optic, wireless networking or a mixture. A central computer can supervise multiple monitors and display monitor status and position.



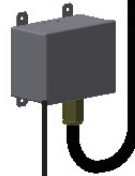
Fire Monitor
Orion's renowned
Warden or Commando



**Fire Monitor
Radio Remote
Control Station**
(optional)



**Fire Monitor Power
Supply Module
(PSM)**



Comms Link
Options include:
RS485
Fibre-Optic
Wireless



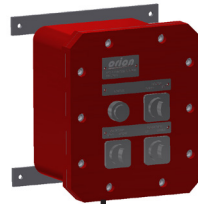
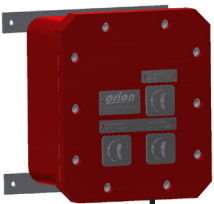
**Fire Monitor Master
Control Station (MCS)**
IP66 Version



**Fire Monitor System
Status Monitoring
System** *(optional)*

**Fire Monitor Local
Control Station
(LCC) - Optional**

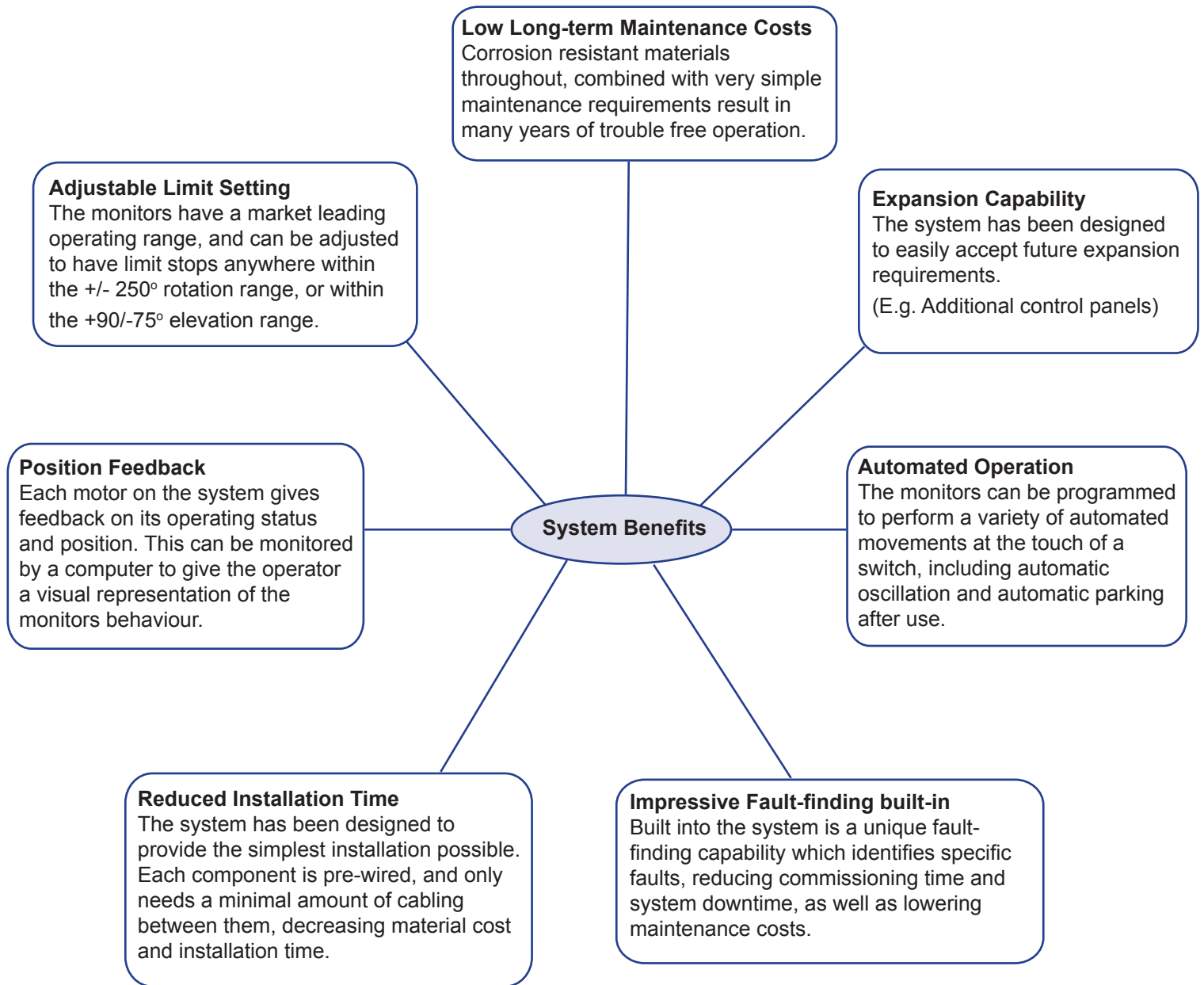
**Fire Monitor Local
Control Station
(LCC) - Optional**



**Fire Monitor Master
Control Station (MCS)**
Exd version (optional)

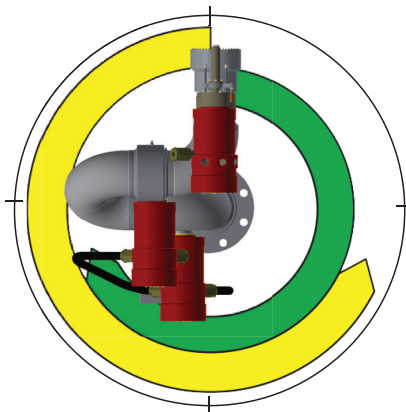


The Orion hazardous area fire monitors use computer-controlled, motor-driven swivels for the most flexible remote control. The motor units are Hazardous area certified to IECEx Exd for Class 1, Zone 1 areas

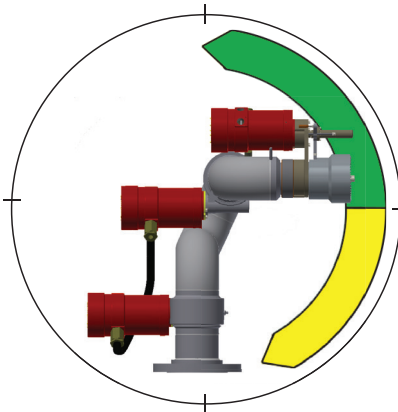


Wide Movement Limits

+250° and -250°
of horizontal
movement



+90° and -75°
of vertical
movement



Why choose an Orion Jetty System?

Fully remotely adjustable
between spray and jet



Monitor oscillation
(optional extra)

Simple maintenance
requirements

Fully enclosed swivels
with ball bearings

Automatic parking
(optional extra)

System is completely
IP66 rated

Corrosion resistant
Exd motor housings

SS316L or Bronze LG2
waterway (other materials
available on request)

All sensors are located
internally

Simple Wiring (only
5 cores + E required)

Jetty Monitor Options

There are two standard options for use on the Orion Jetty Monitor System, the Warden range of Bronze (LG2 or AB2) monitors, or the Commando range of Stainless Steel (SS316L). Both options are hazardous area certified to IECEx for Class 1, Zone 1 areas.



Warden Exd Monitors

The Warden monitor range are 24VDC remote controlled monitors with brass/bronze enclosures. The monitors are available in the following materials:

- LG2 Bronze (C83600)
- Nickel Aluminium Bronze (C95800)



Commando Exd Monitors

The Commando monitor range are 24VDC remote controlled monitors with brass/bronze enclosures. The monitors are available in the following materials:

- Stainless Steel 316L (standard)
- Super Duplex (optional)
- Titanium (optional)

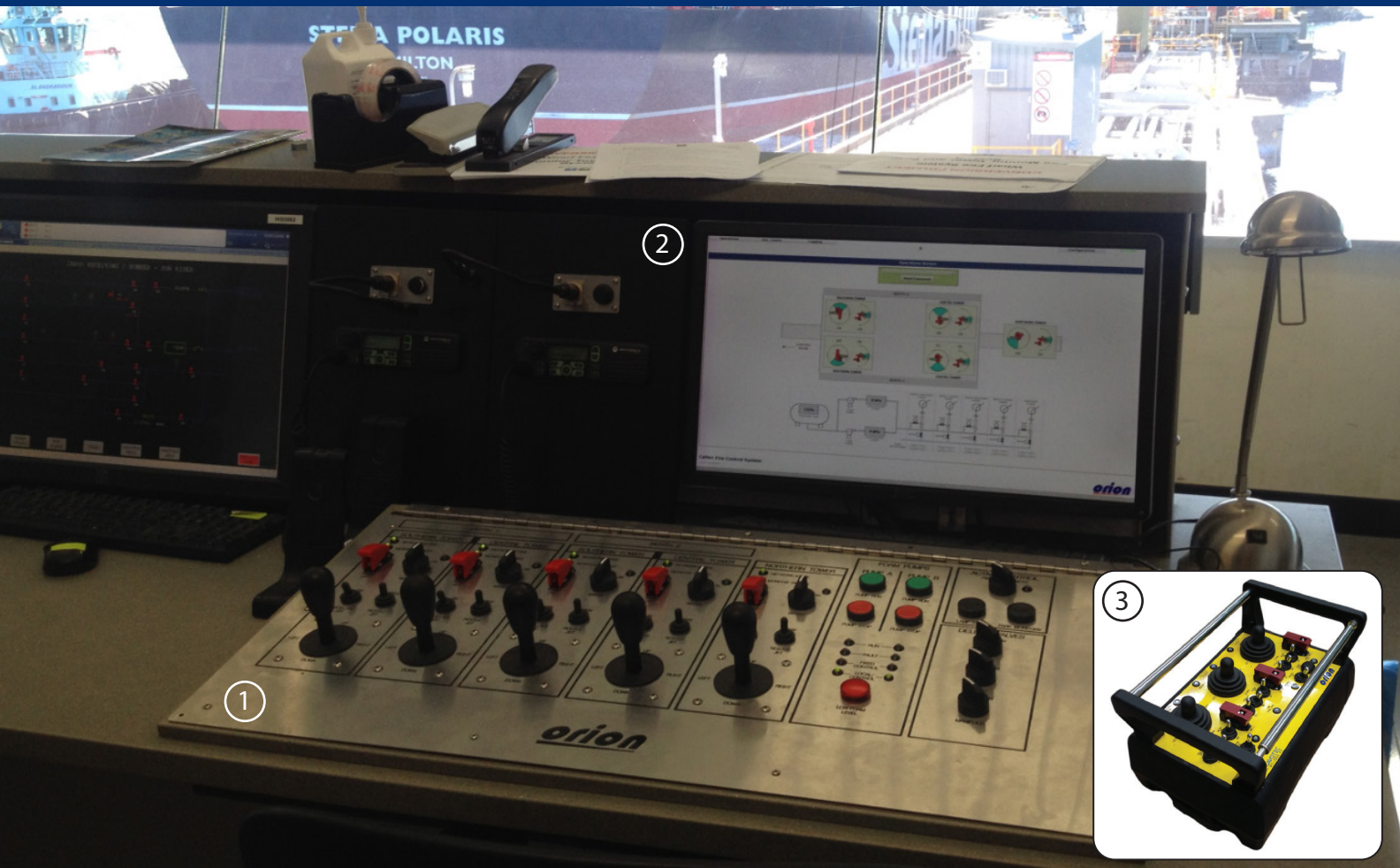


Performance Data

Model Number	Monitor Size	Flow Range	Throw Distance @ 700kPa
Warden 3173EX	80mm	0-4500lpm	Up to 75m
Warden 4173EX	100mm	0-7500lpm	Up to 90m
Commando 3151EX	80mm	0-4500lpm	Up to 75m
Commando 4151EX	100mm	0-7500lpm	Up to 90m
Commando 6151EX	150mm	0-15000lpm	Up to 100m

Note: The throw distance depends on the nozzle selection, flow and operating pressure.

Extended System Capabilities



At Orion Fire, we have the ability to create custom solutions to meet your sites specialist needs and requirements. [Contact Us](#) to discuss your individual requirements. Options which you may consider are:

1 - Custom Control Panel

A customised master control panel which incorporates more than one monitor control, as well as controls for other parts of the system (e.g. deluge valves, foam valves, foam pumps etc)

2 - Computer Monitoring System

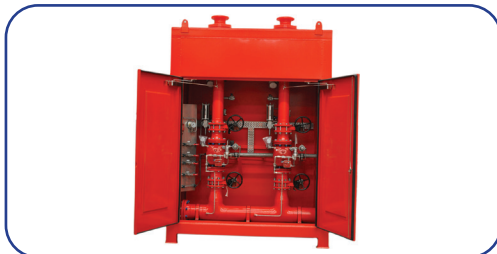
A computer monitoring system which displays information such as current monitor position, valve output status, system pressures. It can also be used for fault-finding on the system, and for setting the oscillation and movement limits etc.

3 - Radio Remote Controller

A radio remote which can control the monitors on site from anywhere you like. The remote controller is hazardous area certified.

Related Orion Products

As well as the Monitor Systems, Orion also designs and manufactures a range of related products which may help in your installation. These include:



Deluge Skids

Deluge skids for each monitor. These skids are fabricated and tested on site at Orion and are simply bolted down on site with the pipes/wiring connected, saving a lot of installation and testing time. These can be customised to suit your on-site requirements, including H60 rated.



Foam Proportioning

Orion manufacture a range of foam proportioning products, including bladder tanks, foam tanks, foam proportioners etc. Any of these products can be added to your Jetty system to increase system performance and reduce installation time.



Foam Concentrates

Orion offer a full range of Fire Fighting Foam Concentrates based on the latest C6 technology, including AFFF, ARAFFF and fluorine free foam options.



Where we protect major global assets



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