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## Ascendant Technologies Ltd. Newsletter

February 2010 - In This Issue

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### Re-Launch of EPR range

The [Flowbus](#) EPR range of rack & pinion Aluminium actuators has been around for some time, however this sector of the actuator marketplace is very congested and competitive.

In order to get noticed, Flowbus have redesigned the EPR range to increase the quality and make it more distinctively a Flowbus product, whilst at the same time lowering the price-point.

The picture shows the new EPR with control accessories on a project for [STX Offshore](#), the world's 4th largest shipbuilder.

EPR will be available from stock at [Ascendant Technologies](#) from April 2010.

For more information on EPR actuators, contact Ascendant Technologies on +44 1495 767210 or [info@ascendant-technologies.com](mailto:info@ascendant-technologies.com)



### Flowbus at Cirebon Power Plant

[Cirebon Power Plant](#), due to start generation in 2011, is a 660MW facility intended to take up the shortfall of generation capacity predicted due to population growth and economic expansion in Indonesia.

Flowbus EPT series actuators have been specified complete with bi-directional hydraulic override



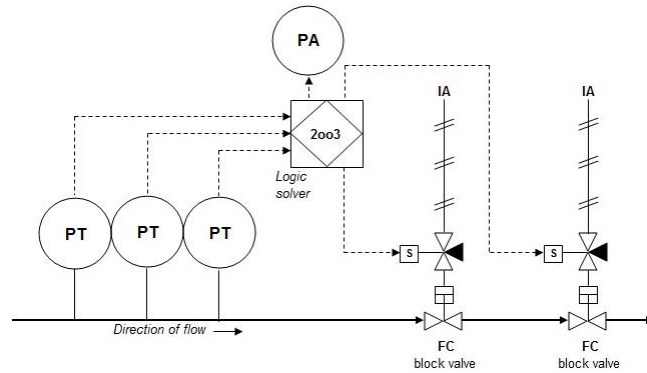
pumps and an environmentally sealed stainless steel instrument cabinet.

For more information on EPT series actuators, contact Ascendant Technologies on +44 1495 767210 or [info@ascendant-technologies.com](mailto:info@ascendant-technologies.com) or for data sheets [click here](#)

## Ten Second Tutorial - What is HIPPS?

High Integrity Pressure Protection System or HIPPS are safety instrumented systems designed under API and ASME codes to protect hydrocarbon processing plant from overpressure which could lead to leaks or explosion.

The system consists of pressure sensing elements (labelled PT), a Logic Solver and typically two emergency shutdown actuated valves.



The Logic solver sends a shut-down signal to the valves if it receives overpressure readings from 2 out of 3 sensing elements (2oo3 control). The valves are in series, giving absolute certainty of closure, even if one fails. This is described as 1 out of 2 control (1oo2). For HIPPS applications, actuators and associated controls must have SIL (Safety Integrity Level) certification.

[Flowbus](#) actuators have SIL3 certification throughout the range. Ascendant Technologies can supply and assemble complete with SIL rated solenoids and switchboxes to complete the actuated assembly.

For more information on HIPPS applications, contact Ascendant Technologies on +44 1495 767210 or [info@ascendant-technologies.com](mailto:info@ascendant-technologies.com)

## Previous issues of Newsletter

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