

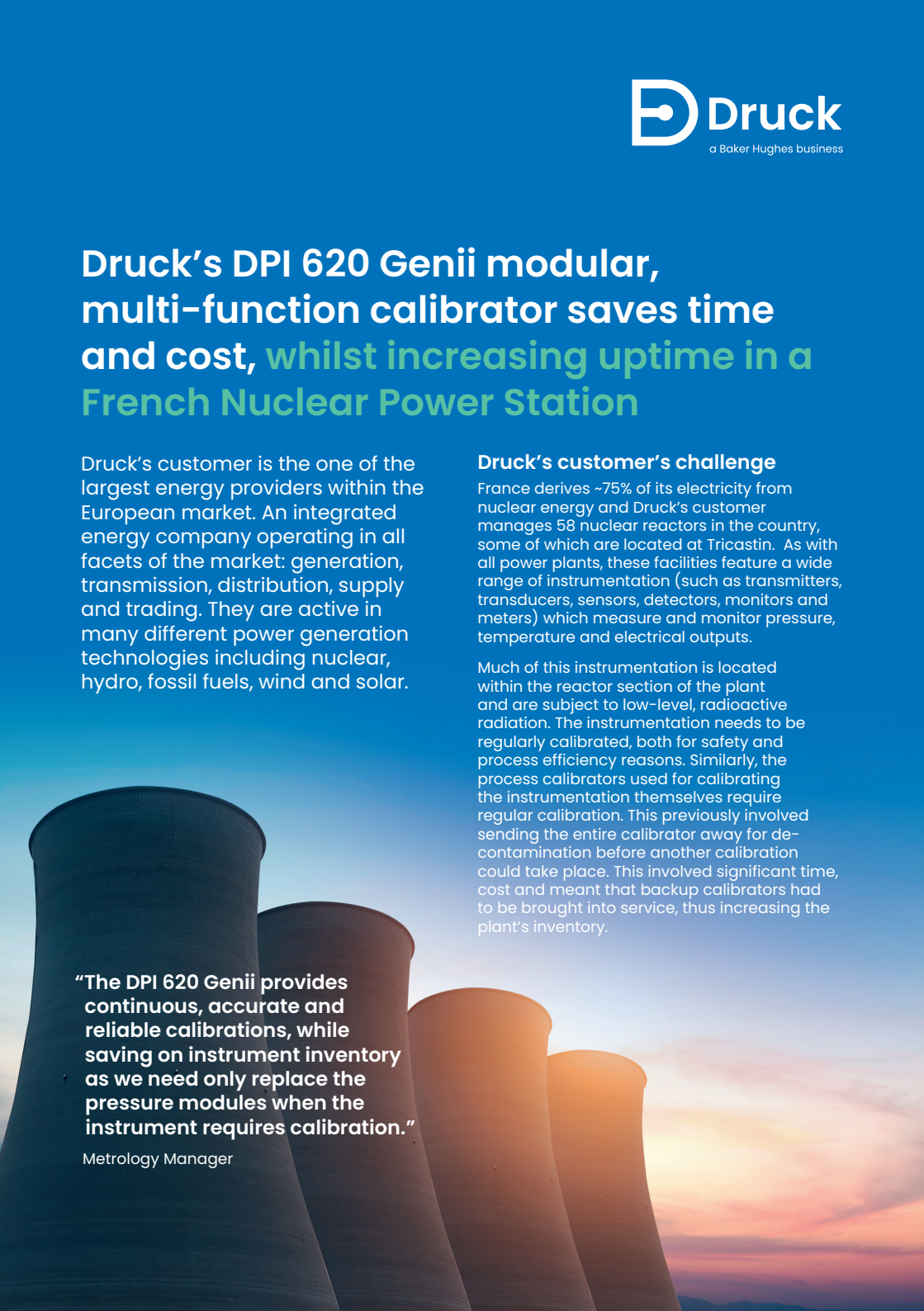
Druck's DPI 620 Genii modular, multi-function calibrator saves time and cost, whilst increasing uptime in a French Nuclear Power Station

Druck's customer is the one of the largest energy providers within the European market. An integrated energy company operating in all facets of the market: generation, transmission, distribution, supply and trading. They are active in many different power generation technologies including nuclear, hydro, fossil fuels, wind and solar.

Druck's customer's challenge

France derives ~75% of its electricity from nuclear energy and Druck's customer manages 58 nuclear reactors in the country, some of which are located at Tricastin. As with all power plants, these facilities feature a wide range of instrumentation (such as transmitters, transducers, sensors, detectors, monitors and meters) which measure and monitor pressure, temperature and electrical outputs.

Much of this instrumentation is located within the reactor section of the plant and are subject to low-level, radioactive radiation. The instrumentation needs to be regularly calibrated, both for safety and process efficiency reasons. Similarly, the process calibrators used for calibrating the instrumentation themselves require regular calibration. This previously involved sending the entire calibrator away for decontamination before another calibration could take place. This involved significant time, cost and meant that backup calibrators had to be brought into service, thus increasing the plant's inventory.



"The DPI 620 Genii provides continuous, accurate and reliable calibrations, while saving on instrument inventory as we need only replace the pressure modules when the instrument requires calibration."

Metrology Manager



Druck's solution

Druck's customer upgraded to the multi-function, hand-held modular DPI 620 Genii, which offers pressure calibration functionality in a uniquely flexible pressure system. This comprises 32 high accuracy pressure measurement modules with ranges from 25 mbar to 1,000 bar and 3 pressure-generating stations, eliminating the need to carry gas bottles and regulators, thus greatly simplifying the priming of hydraulic systems. The modules feature digital characterization and a simple screw fit to allow interchangeability in a matter of seconds without the need for tools, set-up or calibration. Whenever a module needs calibration, it is simply replaced with a new module – without the need to take the complete calibrator out of service.

Druck's continuous innovation has seen them recently launch TERPS PM – a pressure module which provides increased accuracy (up to 0.0125%). TERPS PM enables coverage of a wide pressure range with fewer modules, meaning a further reduction in inventory and calibrations.

Benefits

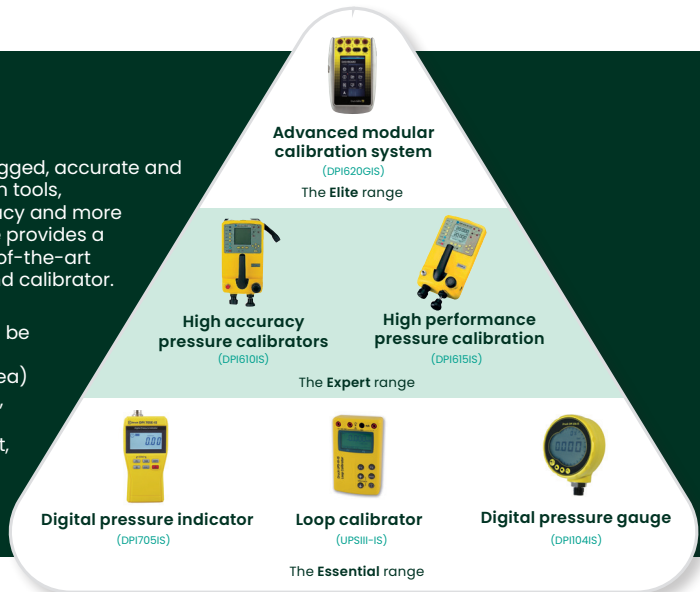
The introduction of Druck's DPI 620 Genii has provided significant benefits:

- **Savings in time and costs** – associated with sending calibrators away for calibration
- **Increased uptime** – ever ready availability of calibrators
- **Ease-of-use** – intuitive swipe screen technology
- **Reduced set up time** – screw-in pressure modules which do not require tools to connect or remove
- **Reduced calibration instrument inventory**
- **Increased efficiency** – ability to interchange pressure modules between plants
- **Increased productivity** – a single calibrator with inbuilt HART communication, providing comprehensive functionality to meet virtually all calibration requirements, as well as configuration and commissioning.

The Druck process calibration range

The **Essential** range provides rugged, accurate and easy-to-use test and calibration tools, **Expert** introduces higher accuracy and more functionality and the **Elite** range provides a modular system offering state-of-the-art multifunction communicator and calibrator.

Across all three ranges, you can be confident that every one of our products (Safe or Hazardous Area) gives you the same high quality, reliability and ease of use you would expect of a Druck product, so you can keep your people and plant running efficiently, productively and safely.



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