



Press Release – 04/12/2017 - Montigny Le Bretonneux, France

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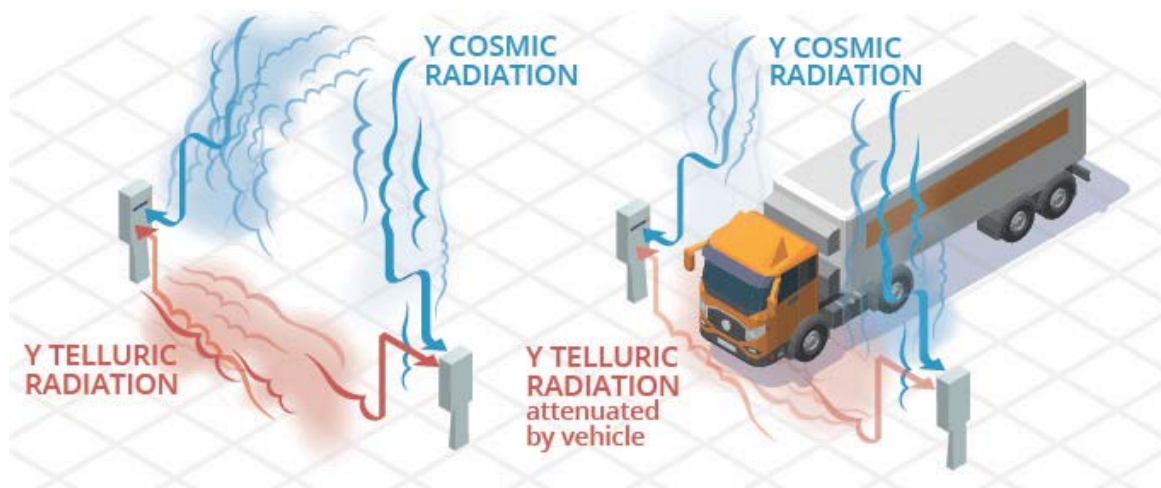
Bertin launches the new SaphyGATE G range of radiation portal monitors for vehicles and their loads

The SaphyGATE G portal monitors combine easy operation and maintenance with robustness and compliance with the strictest international standards

Bertin Technologies, a CNIM Group subsidiary, has announced the launch of its new SaphyGATE G range of radiation portal monitors. The first devices in this range of portal monitors automatically detect the potential radioactivity of vehicles, such as trucks and trains, and their loads. Dedicated to the control of radiation hazards on industrial and civil sites, these devices offer excellent measuring performances and meet the requirements of IEC 62022 international standard, one of the most demanding in the field.

It is not uncommon to observe radioactive sources in freight vehicles. Some accidents, related to radioactive material flows management, have been recently recorded worldwide, causing the spread of nuclear material, sometimes in manufactured products. These accidents have serious economic, environmental and human consequences, including several cases of death.

Designed by Bertin teams in France, Italy and Germany, the new SaphyGATE G50 and G100 portal monitors incorporate high-performance detectors. Vehicles to be checked pass between the detectors, installed in pillars. The readings obtained by the detectors are analyzed in real time by the processing system on the control station. To obtain the most accurate possible readings, Bertin Technologies developed an innovative algorithm, designed to compensate the radioactive background attenuation induced by the vehicle driving through.



"Everything is done automatically, generally when the vehicles are being weighed, so as to maintain a smooth flow in and out of the site," says Julien Ranouil, Product Manager at Bertin Technologies.

The ergonomics of the SaphyGATE G control station was engineered in collaboration with Bertin ergonomics experts. The system can be easily operated and supervised by



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site personnel after a short training period. Suitable for all types of climatic conditions, the SaphyGATE G50 and G100 radiation portal monitors can be used for the purposes of metallurgical, recycling and border control installations, and hospital and nuclear infrastructure.

“We have been developing the SaphyGATE G for several years and our portal monitors are among the top-ranking solutions on the market,” points out Bruno Vallayer, Vice President Marketing & Sales at Bertin Systèmes & Instrumentation. *“On top of their radiation measuring performances, SaphyGATE G portal monitors comply with the requirements of one of the toughest international standards, IEC 62022. This places the SaphyGATE G at the industry’s cutting edge. Our international ambitions for this solution have already been confirmed by our first customer orders.”*



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ABOUT BERTIN TECHNOLOGIES

BERTIN TECHNOLOGIES, subsidiary of CNIM Group, relies on its long history of innovation to develop, produce and market innovative systems and equipment worldwide. With close to €96M in turnover and 700 employees in 2016, of which 2/3rd are engineers and high-level managers, the group works in four major fields: systems and instrumentation, consulting and engineering, information technology, pharmaceuticals and biotech. Based in Paris region, the group is highly active worldwide.

www.bertin-technologies.com

Bertin Technologies' leading instrumentation activity is represented through the brand **BERTIN INSTRUMENTS**. Its solutions and teams are dedicated to innovative measurement and sampling for key worldwide markets, such as:

- **Lab Equipment:** sample preparation, air sampler, cell imaging and biological assay kits.
- **Nuclear Instrumentation:** radon professional monitoring, environmental radiation monitoring systems, radiation portal monitors, health physics.
- **Defense, Security and Safety:** CBRN threat detection, optronic solutions and security networks.

Its R&D people also provides on-demand technology systems and turnkey integrated solutions under harsh environment or industrial constraints.

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A CNIM GROUP COMPANY

CNIM designs and manufactures turnkey industrial solutions with high technological content and provides expertise, services and operating capability in areas related to the Environment, Energy, Defense and High Tech Industries. CNIM runs projects and markets equipment throughout the world. CNIM is backed by a stable family shareholding that guarantees its development. The Group employs 2,500 members of staff and had revenues in 2016 of €539.9 million, 54.6% of which was for export. CNIM is listed on the Euronext Paris stock exchange.

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