**ZAT company in Pribram (Czech Republic)** is a leading supplier of control systems for power engineering and industry in the world. It focuses on the development, production, and installation of control systems for demanding industrial processes with emphasis on their safety and lifetime. **The company ranks among leaders** in the fieldof nuclear and conventional power engineering, industry, railway systems, gas industry, and smart systems. Its products have been set up in 65 countries so far.

At the moment, ZAT has already set up the 4th generation of control system **SandRA** (Safe and Reliable Automation). As far as the development is concerned, the company focuses on **new applications in the field of Industry 4.0, IoT technologies, and telemedicine.** In 2018, the company launched a new IoT platform **SimONet** (stands for Simply on Net) for wireless data collection, transfer, and analyses. At the same time, it focuses on the development of superstructure software for **data processing and presentation on up-to-date platforms.**

As one of the four companies in the European Union ZAT develops, manufactures, and installs its own control system for primary circuits of nuclear power plants. ZAT control systems and know-how have been set up in 10 percent of nuclear power plants in the world and in 30 percent of them in the European Union. Czech nuclear know-how has a good reputation worldwide thanks to ZAT too. **The company** **applies safety elements from nuclear power engineering in its control systems for thermal and hydropower stations, for railway systems, mines, in the gas industry, and smart systems.**

ZAT develops and produces customized industrial electronics, it is also a producer and supplier of medical devices.

Company ZAT belongs to co-founders of automation in the world and it is the Czech company with the longest history in this branch. The standard annual turnover of the company is about 30 million EUR.

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**SandRA** (Safe and Reliable Automation) is a modern control system of the Distributed Control System (DCS) class designed for demanding industrial branches requiring high reliability of control system.

A broad range of offered technical devices and possible configurations of system architecture enables to apply it both for control of large technological units of the energy production block type and control of small technologies such as sewage disposal plants, regulation stations, etc.

**SimONet** (Simply on Net) is a platform intended for wireless data collection through the technologies suitable for a given locality. It allows the users a complex value administration as well as monitoring of the administered locality, object, or equipment. Using the measured data, it notifies of any non-standard states, searches for continuity between individual values, detects possible loss, prevents from emergency states. The platform provides views of the information at various users´ levels for technicians, administrators as well as managers. SimONet can analyze measured data, increase the efficiency of maintenance planning, and leads to financial savings.

More about the ZAT company at **www.zat.cz/en**