

Thema: Internet of Things

## **Intelligent indoor climate solutions**

**Finnish Purmo Group has added another smart home solution for temperature control to its product portfolio. The move puts Purmo's entire IoT strategy to the test. IoT experts Materna are accompanying them with technical and contractual consulting services as well as supplier management.**

Anyone building or modernising a home these days will have noticed there's no avoiding the issues of sustainability, cost-effectiveness and efficiency. In the face of rising energy costs, a steadily growing market for technology-assisted lifestyles is emerging. Numerous automation gadgets and connectivity technologies for home utilities and household appliances are already available for the private household market. These smart home solutions conserve energy while enhancing comfort. They adapt intelligently to our individual preferences as well as being simple to operate.

### **Radiator control with mobile apps**

Purmo Group is a global supplier of sustainable indoor climate comfort solutions, employing 3,500 staff and generating an annual turnover of 844 million euros. Its portfolio encompasses a diverse range of product and system designs for heating and cooling residential and non-residential buildings.

As part of its IoT strategy, Purmo was planning to develop a new smart home solution for the intelligent control of radiators via smartphone app. They commissioned Materna to provide technology expertise for the project and to coordinate its worldwide vendors. The challenge was to develop a new thermostat and electric radiator, together with a corresponding mobile application and cloud solution, that would be compatible with their technological specifications.

### **Further development of the IoT strategy**

The long-term IoT strategy is developing during the course of the project. Our team of experts will begin with an evaluation of the present situation to gain a detailed picture of the customer's starting point. Purmo Group already has several smart home applications in place, so Materna will be conducting a thorough analysis of the existing heterogeneous app landscape and exploring options for simplifying it. In addition, Materna's IoT experts have taken a closer look at Purmo's existing cloud structure. Their assessment revealed several specific areas where the use of Amazon Web Services could be optimized. Then the project partners devised a strategy that will enable The Group to successfully drive forward its IoT activities in the long term. Materna is providing ongoing support as a point of contact for advice on anything relating to the Internet of Things, e.g., technologies and contract negotiation with vendors.

### **Materna service offering**

- coordination of discussions with vendors
- evaluation of vendor statements
- monitoring compliance with customer requirements by the vendors
- advice and suggestions for more effective approaches
- technological guidance in decision-making
- Cloud Assessment

### **About Purmo**

Purmo Group Plc is a leader in sustainable indoor climate comfort solutions in Europe. They provide complete heating and cooling solutions to residential and non-residential buildings, including radiators, towel warmers, underfloor heating, convectors, valves and controls. The mission is to be the global leader in sustainable indoor climate comfort solutions.

Approximately 3,500 employees operate through 46 locations in 21 countries, manufacturing and distributing top quality products and solutions to customers in more than 100 countries globally. Purmo Group Plc's shares are listed on Nasdaq Helsinki (symbol: PURMO).

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