

User Enhanced Small Temperature Model

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Challenge

Maintenance relies on data and its interpretation. IoT and AI can support preventive maintenance, but which solutions truly add value without excessive costs? How can we leverage our deep product knowledge effectively? Many IoT and AI systems are overly complex, expensive, and fail to integrate existing expertise. The challenge is finding a solution that is cost-effective, focused, and makes the best use of both data and domain knowledge.

Solution

IOT APPS provides dedicated, low-cost IoT platforms with a targeted approach to data utilization. Beyond dashboards, our solution processes incoming data in relation to historical trends while also integrating company-specific knowledge. The key is simplicity: focus on essential data and use a Small Targeted Model instead of costly, bloated Large Language Models. Precision and leveraging existing expertise matter more than generic, one-size-fits-all solutions.

Business Case

By focusing on simplicity and existing product knowledge, we enable cost-effective data collection and utilization. The approach is simple: add only what you truly need (essential data) and use what you already have (deep product knowledge). Avoiding generic, bloated IoT and AI systems ensures a lean, efficient, and profitable maintenance approach.

IOT APPS is an initiative of PhaseFour from Eindhoven. All IOT APPS activities are carried out by PhaseFour



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