

We love to embed  
**sustainable**  
**ideas.**

*Save valuables*

*For tomorrow*

*Clean energy*

**PHYTEC**



# We embed your ideas. Sustainable.



Bodo Huber, Michael Mitezki, Marcus Lickes  
PHYTEC Managing Directors

„Sustainability is a fundamental goal with many facets for PHYTEC: It guides our actions from electronics design, to collaboration within the team and with our customers and partners, to manufacturing and throughout the entire life cycle of a product.“

## Sustainability is embedded

Smart devices make our lives more environmentally friendly and help save resources: Controls for wind and solar power plants, heating systems, and electricity storage systems ensure efficient use of renewable energy; intelligent traffic management reduces congestion and unnecessary emissions; agricultural robots use water and nutrients only where they are really needed.

Embedded systems are the heart and brain of all these and many other applications. They process sensor data, control, and network. They are drivers and key technologies for sustainable innovations.

## Sustainability is Features

For PHYTEC, "embedded" means perfectly adapted to the respective application. No excess power or unneeded components, compact and optimized for mobile or standalone applications. For this, we rely on state-of-the-art ARM processors and low-power solutions. We support our customers in optimally exploiting the power-saving functions of the processors.

We select the components used with a view to industrial quality and maximum service life - this extends to the dimensioning of aging and heat-resistant condensers at necessary points.

## Sustainability is Future-Proof

PHYTEC hardware is designed for years of series use. Future challenges are already taken into account in the design - in the selection of long-term available processors and components as well as with modular, upgradeable electronics designs and a clear open source strategy for software. PHYTEC takes care of the corresponding lifecycle management for our standard and customer-specific products.



phyCORE®-i.MX 6UL/ULL



phyCORE®-i.MX 93

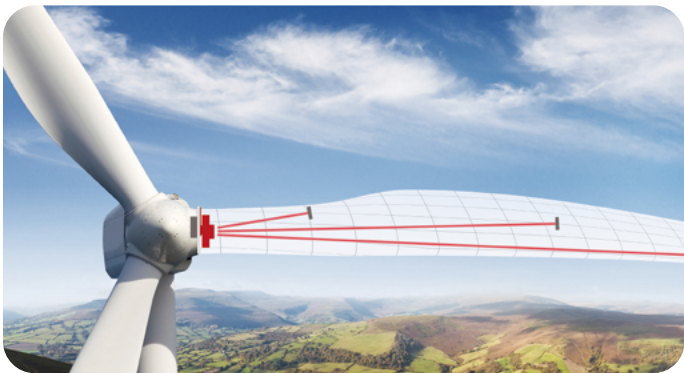
In addition, we actively advise our customers on topics such as security, update and device management, and support them with numerous upfront hardware and software services.





## Sustainability is Successful

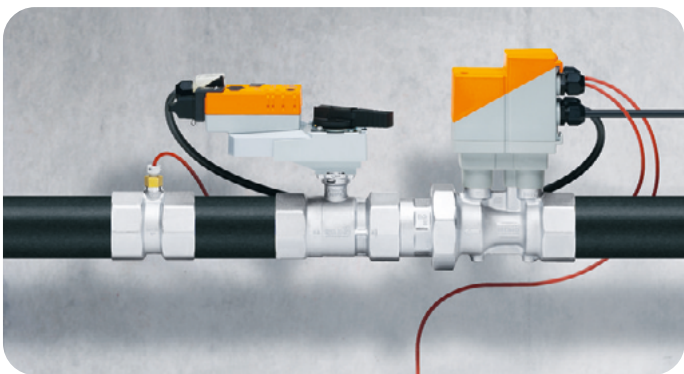
Numerous sustainable innovations rely on PHYTEC today - here are just a few of them. In many others, our hardware is proving its worth right in the background - from energy management systems and solar plants to air conditioning, heating technology, and wind turbines.



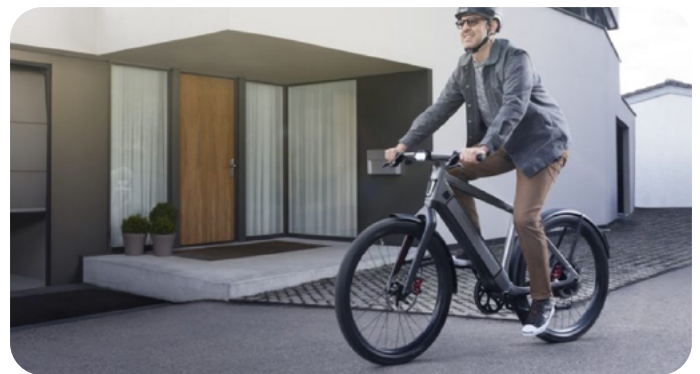
**Wind turbine Nidec – BladeVision**



**ABL Charging Stations for Electric Cars:** Embedded hardware and customized software enable uncomplicated and safe operation.



**Belimo Heating and Air Conditioning:** Customer-specific modules and software for control systems.



**MyStromer e-bikes:** power-saving communication electronics with extensive connectivity.



## Sustainability is Our Foundation

In keeping with the spirit of the word: The new PHYTEC Technology Campus in Mainz, which was built in 2021, stands on a foundation of glass foam ballast - 100 percent recycled glass. Development and production are housed here under one roof - Made in Germany. The building exterior and insulation of the energy-efficient building in accordance with the KfW55 standard are made of renewable raw materials. Natural air conditioning, maximum lighting areas, and shading on the facade ensure minimal energy requirements.

We also focus on green power, recyclable products, recyclable packaging materials, and innovative additive manufacturing technologies for prototyping.

The entire campus is heated with a heat pump system and instead of air conditioning, the concrete core activation of the ceilings automatically cools the air. Almost the entire roof is greened and this year 60 trees will be planted around the parking area. Solar power is planned as the primary energy in the future, which will also be available at e-charging stations.

## Sustainability is Continuation

We have already achieved some goals. But sustainability also means constantly finding new ways to be even more environmentally friendly and to minimize our impact and consumption of resources. Our goal: Actively giving something back.

**Sustainability is embedded.  
Talk to us about your project ideas.**

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