

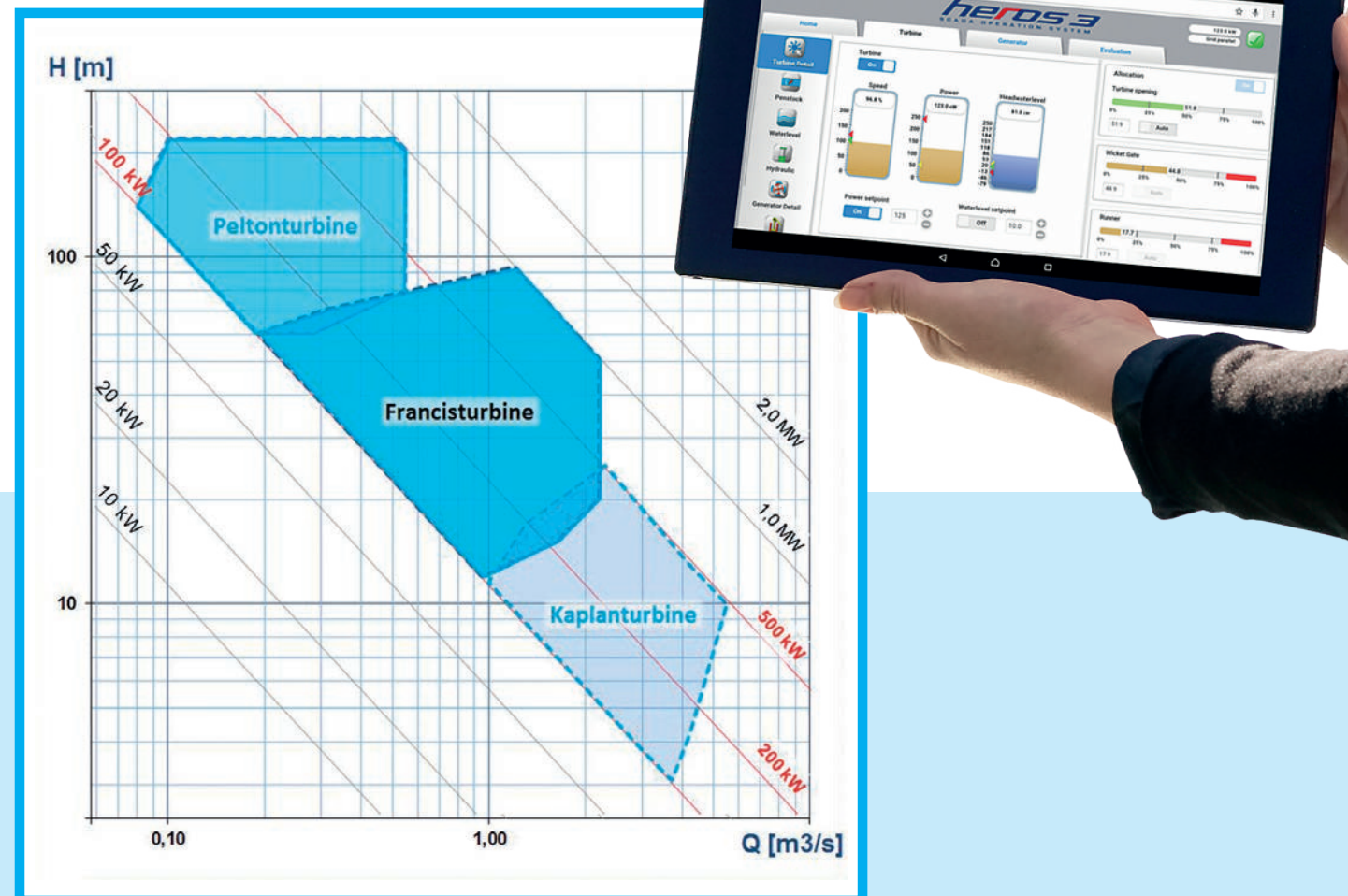
smarT SOLUTION

BENEFITS OF A smarT-POWERPLANT

- Fast delivery time
- Cost reduction by up to 50 %
- Simple and fast transport
- Easy installation at site
- System monitoring and operation via remote maintenance with HEROS3
- Leasable, mobile construction
- Modular extension possible
- Ecological, 'green' energy
- Economical and environmentally compatible solution

AREAS OF APPLICATION

- Hydropower stations from 100 kW to 1 MW
- Revitalisation
- Residual water power station
- Low water power station (winter operation)
- Isolated operation
- Auxiliary power supply
- Micro grids (industrial use, mining)
- Rural electrification in remote areas and islands



VISIONARY POWER

FROM AUSTRIA



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THE *smarT* WAY TO GENERATE POWER.

THE SMART SOLUTION FOR UP TO 1 MW

Top quality and intelligent standard modules in combination with the greatest possible degree of pre-assembly: smarT, the perfect product for the lower power range. smarT is an economic turbine concept for outputs of up to approx. 1 MW. For the customer, smarT's greatest benefit lies in reducing the total costs of a power station project in order to ensure optimal amortisation even in case of low energy prices. The use of high-quality materials and precise manufacturing ensures a long lifecycle for the turbine as well as high yields. The smarT power station is fully assembled at the factory and can be easily and quickly set up and commissioned on site. The intelligent HEROS3 software has been integrated to ensure a fully automated control of the system. Available in the following options: mounted on a frame and as a solution mounted in a container.

smarT CONTAINER

smarT THINKING FURTHER

The container option replaces the power house and – compared to the standard concept of the smarT mounted on a frame – offers the highest possible degree of pre-assembly. This reduces the installation efforts on the construction site to a minimum – concrete foundations and a mobile crane are enough to install and commission the mobile container solution and its equipment in a few days. The container solution yields further advantages such as cost reduction and the possibility of leasing. In a modular fashion, the system can be extended by additional containers at any time. This allows for investment costs to be scaled more easily. However, there is another intelligent solution for all those who want to use smarT in isolated operation. smarT-Container can be combined with solar modules or battery storage which allows an even better optimized use.

smarT FOR MICRO GRIDS

GLOBAL HYBRID ENERGY

smarT is a better way to increase electrification in remote or rural areas and can be combined with wind power, solar panels and battery storage. With our “Hybrid Energy” concept we enable rural electrification in an optimised way. smarT is the ideal component for every micro grid, which is located near water. Using a smarT power station the operation of micro grids is feasible without utilizing diesel generators. This leads to reduced operating costs with the additional benefit of a sustainable technology without environmental impact.

Our „Hybrid Energy“ concept is ideal for decentralised energy supply solutions in emerging countries. It provides a cutting edge, economical and reliable solution that helps securing access to energy for rural populations. smarT powered micro grids can also be used for factory grids or mines to provide energy at its best and most cost effective way. Beyond that smarT can be combined with e.g. water treatment technology to provide drinking water from rivers and therefore increase quality of life in remote areas.

