

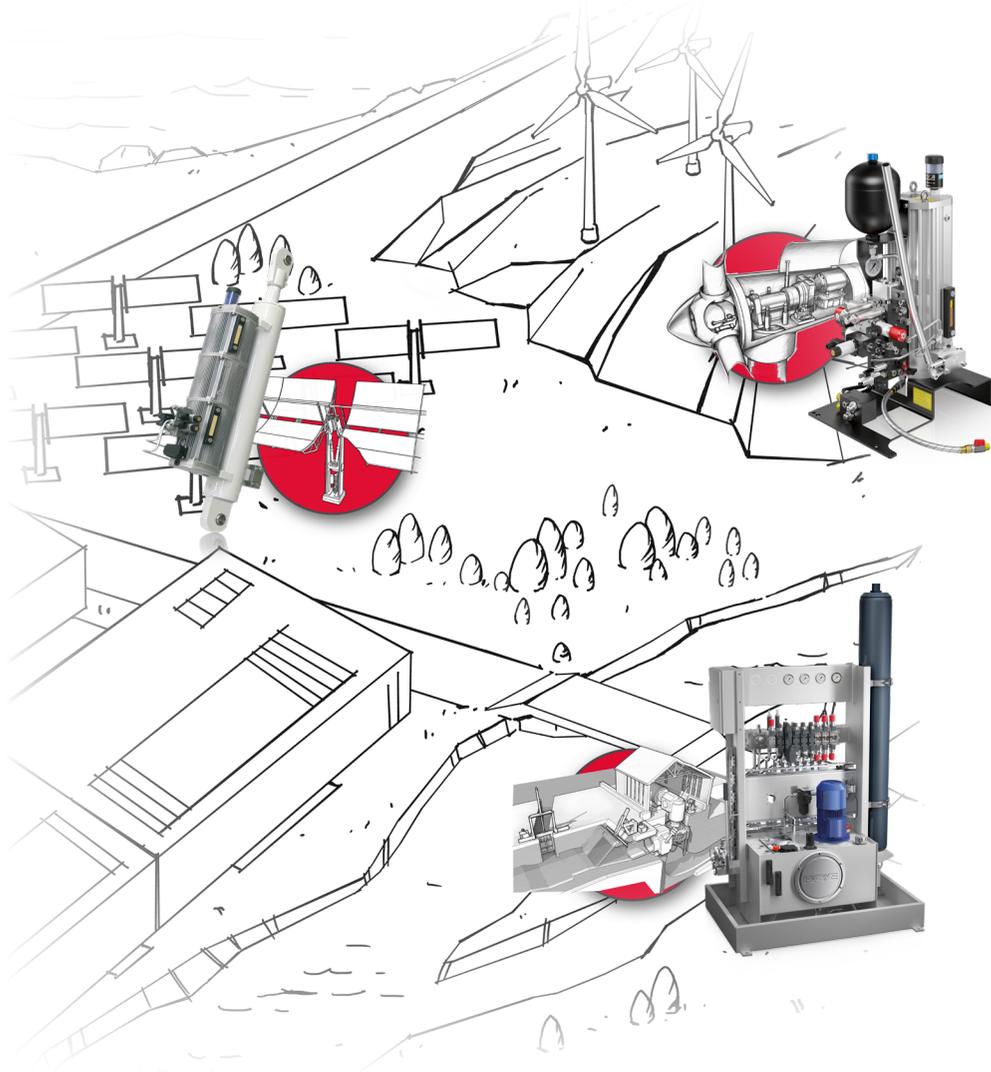
Solutions for renewable energy plants



Solutions for powering the future

As a global manufacturer of hydraulics we love to use renewable energy within our factories worldwide, as well as support our customers to create efficient and long-live solutions for renewable energy plants. With our modular design we built competitive and customized solutions for wind power turbines, solar plants and small hydro power plants.

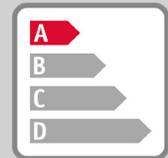




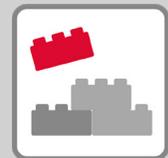
CO₂
Footprint



Predictive
Maintenance



Efficiency



Modular
Design

Decentral or central control units with hydraulic power packs



FXU

Features and advantages

- For centralised control of all functions
- Free choice of usable volume
- Cooler or fan directly mountable

Technical data

- p_{\max} : 700 bar / 10150 PSI
- Q_{\max} : 90 lpm / 24 gpm



CPU

Features and advantages

- For decentralised control
- Directly mounted hand pump
- Good heat dissipation

Technical data

- p_{\max} : 350 bar / 5070 PSI
- Q_{\max} : 12 lpm / 3 gpm



INKA

Features and advantages

- For decentralised control
- With integrated condition monitoring
- Free monitoring software

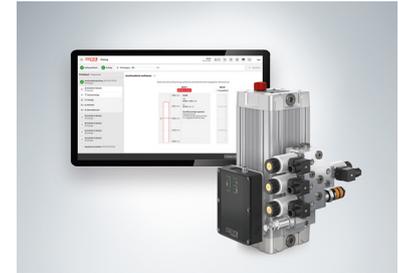
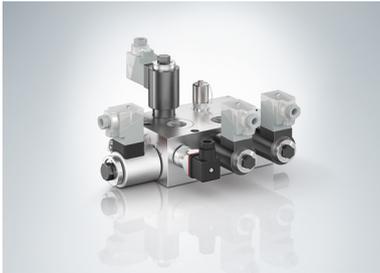
Technical data

- p_{\max} : 700 bar / 10150 PSI
- Q_{\max} : 2,5 lpm / 0,7 gpm

Hydraulic power units supply all control functions with the necessary pressure fluid. Out of the modular design system you can choose the suitable size and pressure range. The units are optimized for a long service life and different environmental requirements.

Valve technology and monitoring systems

The small but mighty valves are the reliable intelligence in the hydraulic system. Designed as seated valves they provide zero leakage closed position over a long period. You can easily integrate them in customized blocks or attach them directly to the power unit. Suitable condition monitoring solutions are available.



Pitch control block

Features and advantages

- Based on spool or seated valve technology
- Innovative solutions
- Easily adaptable

Technical data

- p_{max} : 350 bar / 5070 PSI
- Q_{max} : 160 lpm / 42 gpm

Directional valves in modular design

Features and advantages

- Spool valves in CETOP
- Seated valves with zero leakage in many hydraulic symbols

Technical data

- p_{max} : 400 bar / 5800 PSI
- Q_{max} : 25 lpm / 7 gpm

Cloud solution for monitoring

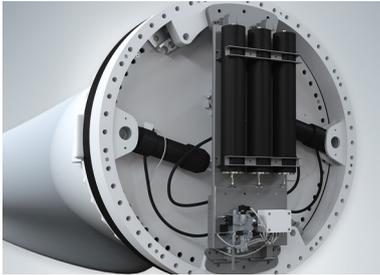
Features and advantages

- Condition monitoring
- Standard interfaces
- Complete inhouse solution

Our offer

- Available 24/7
- Free of charge

Customized system solutions



Pitch module

Features and advantages

- Plug&Play solution for pitch control
- Easy handling
- Easy maintenance

Our offer

- Customer and plant specific solution



Plug&Run solutions

Features and advantages

- Easy set-up
- Less installation space
- Ideal for decentral control

Technical data

- p_{\max} : 400 bar / 5800 PSI
- Q_{\max} : 20 lpm / 5 gpm



Hydraulic power pack

Features and advantages

- High quality solution
- All from a single source
- Modular design

Technical data

- p_{\max} : 350 bar / 5070 PSI
- Q_{\max} : 60 lpm / 16 gpm

With the experience of over 30 years in the business of renewable energy HAWE has built specific solutions that meet special requirements. Whether the installation space should be small or the assembly should be easy or the control unit should be flexible adaptable.

Service support and spare parts

Within HAWE Group we have experts not only in the design of a reliable control solutions. In many countries we are also able to support you with experienced and trained staff for maintenance and lifetime extension for renewable energy plants. With our large stock on spare parts we can offer short term support to reduce downtime.



Spare parts

Features and advantages

- Stock lists 3,000+ items, both standard, customized and critical components
- Hydraulic and electronic know-how of service specialists

N2B Nitrogen booster

Features and advantages

- Mobile top-up unit in lightweight suitcase - the only equipment needed to top-up precharge pressure of accumulators in hub / nacelle
- Improved safety during service operations

Life time extension

Features and advantages

- Customized retrofit solutions
- Components to upgrade your solutions
- Practice-oriented trainings in hydraulics and electronics are offered

Follow us on:



More details about the products
can be found at the website:



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