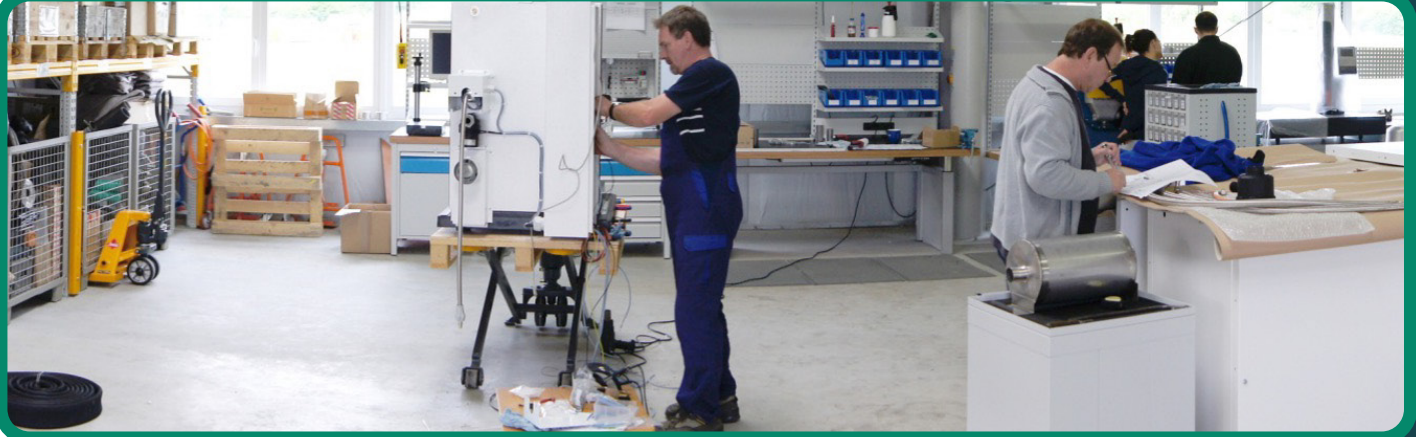




Intelli Combined Heat and Power Plant **Intelli Home Power System (IHKW)**

Future-proof energy for demanding markets



Reliable power and heat supply – even without central infrastructure

In today's energy landscape, flexibility, sustainability, and security are increasingly vital. The Intelli CHP system from Leonaris.de sets new benchmarks for decentralized energy solutions. Designed with German engineering excellence, tested in continuous operation, and proven under demanding conditions, Intelli provides the right answer to growing global requirements – especially in regions with weak or non-existent infrastructure.

Intelli generates electricity and heat with maximum efficiency and minimal emissions.

As a compact micro-CHP unit, Intelli is specifically designed for decentralized use. It can be integrated into existing heating systems or installed in new facilities. Single units or entire cascades can be deployed. With its modular extensions, Intelli can reliably supply housing estates, commercial enterprises – particularly agricultural operations – or entire social institutions with power and heat in both island and emergency operation modes.

When connected to the grid, Intelli can feed electricity in or draw additional power as needed. With a service life of up to 100,000 operating hours, an overall efficiency of around 90%, and the ability to run on a wide range of fuels, Intelli represents a secure, long-term investment.



Key advantages:

- **Durability:** up to 100,000 operating hours without major overhaul
- **Fuel flexibility:** natural gas, LPG, biogas, hydrogen, mixed gases – also available as a diesel engine version for heating oil operation
- **Sustainability:** high overall efficiency, reduced emissions, contribution to decarbonization, stabilization of central grids
- **Modular design:** scalable, adaptable to local requirements
- **German engineering quality:** precise development, robust construction, proven in practice
- **Decentralized energy supply:** independent from central grids, reliable even in structurally weak regions

Development features of the Intelli Home Power System

During the concept development of the Intelli micro power plant, particular attention was paid to the following aspects:

Long service life

High efficiency

High economic viability

Low-maintenance operation



Primary energy savings

Low emissions

Noise and vibration reduction

User-friendly operation



Intelli is ideally suited for remote locations, sustainable communities, agricultural operations, or as an emergency power supply for critical infrastructure. Thanks to its modular architecture, the system can be expanded flexibly – from powering single facilities to entire communities.

By choosing Intelli, companies and institutions invest in a solution that not only meets current energy demands but also actively supports the transition to a low-carbon future.

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