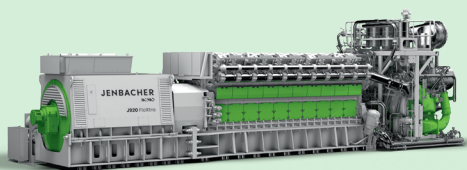


JENBACHER

# J920 FLEXTRA POWERPACK

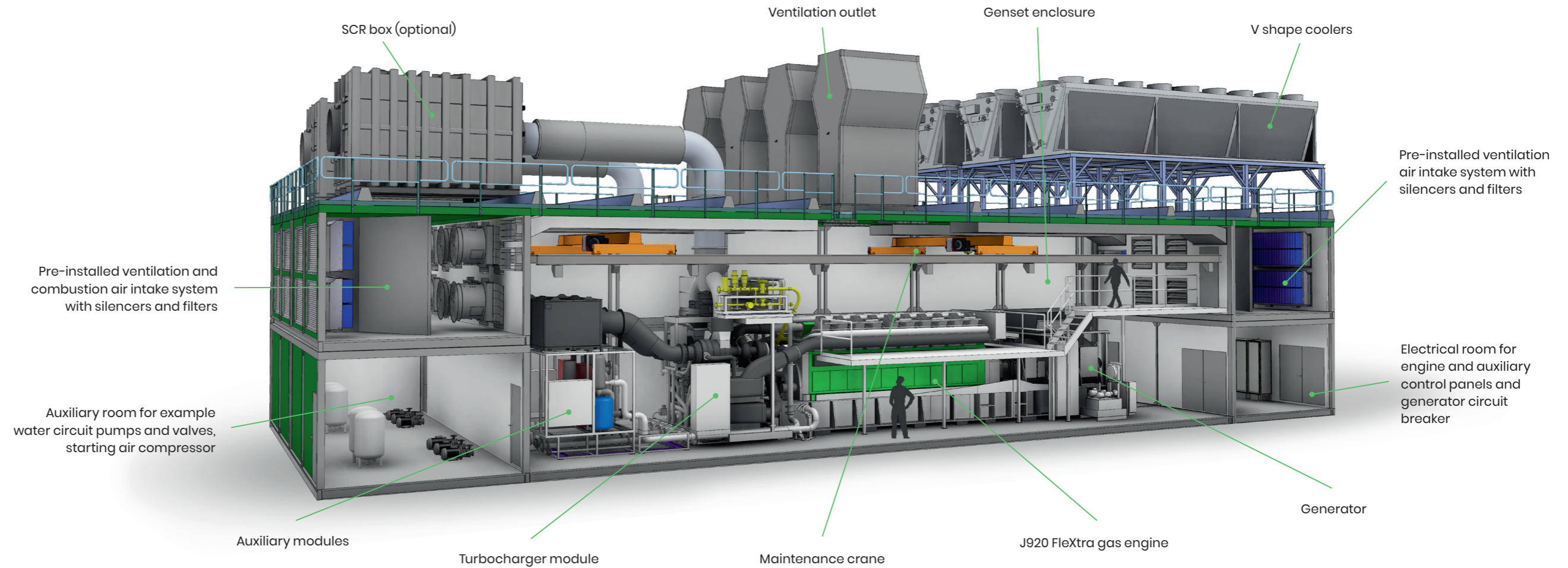
Fast and Scalable Power Modules



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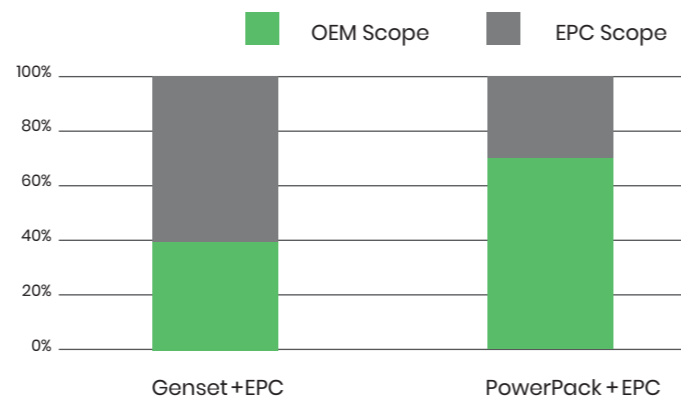


## INNIO'S JENBACHER J920 FLEXTRA POWERPACK



**INNIO can provide a J920 Flextra Power Pack as a pre-fabricated, compact and optimized solution that covers the majority of the total plant installed equipment. This includes all critical elements for high performance, high reliability, shortened delivery and installation as well as easier plant maintenance.**

### INNIO's\* (OEM) scope responsibility



\*Indicates a trademark

### Enlarging the J920 Flextra scope of delivery

The J920 Flextra PowerPack is a full installation package including all of the core and performance critical balance of plant equipment around the genset that is required for a power plant installation. The spacious engine room has installed catwalks and cranes for maintenance. On both ends of the engine room the air intake for engine room ventilation and combustion air are installed. The outlet system of the engine room ventilation is installed in the middle, on the roof top. V shape coolers are installed on the roof top of the package to reduce the plant's installed footprint. Also installed on the rooftop is an exhaust treatment system

for NOx and CO emission reduction if required. The auxiliary room contains PowerPack auxiliaries and the electrical room contains engine and auxiliary control panels and the generator circuit breaker.

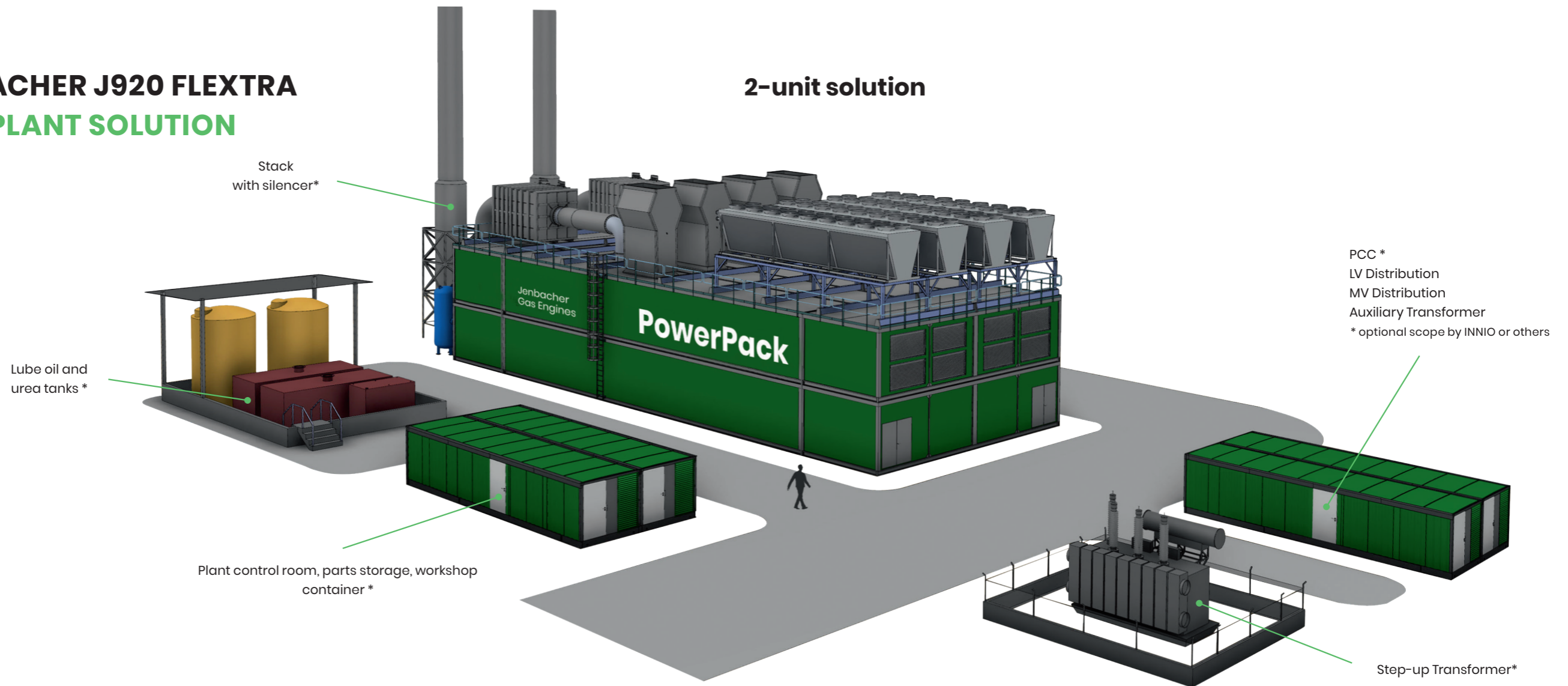
### Modular design for high reliability

The PowerPack is designed for modular installations, it is a pre-engineered and validated solution for fast delivery and shortens installation time at site. An ideal solution for power plants in the range of 10 to 50 MW, it provides clear defined and standardized interfaces to the rest of the plant.

### Why choose the J920 Flextra PowerPack?

- Modular and compact design for small footprint and later expansion
- Pre-engineered solution to ensure high reliability and serviceability
- Includes all key plant components for performance guarantee with low parasitic loads
- Optimized for fast delivery and short installation time
- Control panels and auxiliary systems in separated rooms

## INNIO'S JENBACHER J920 FLEXTRA POWERPACK PLANT SOLUTION



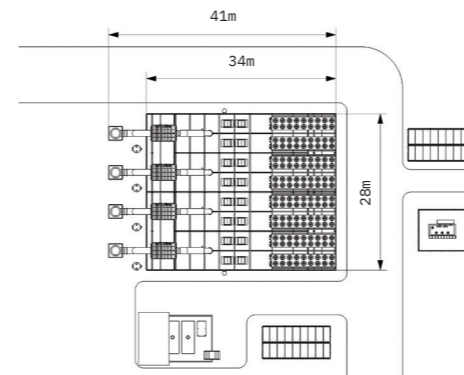
## PLANT RESPONSIBILITIES

Ratings per unit	J920 Flextra 50Hz PowerPack	J920 Flextra 60Hz PowerPack
<b>Electrical output (gross)</b>	10,380 kWel	9,340 kWel
<b>Electrical efficiency (gross)</b>	49.1%	49.9%
<b>Heat Rate (gross)</b>	7,332 kJ / kWh	7,214 kJ / kWh
<b>Total efficiency with CHP</b>	90-95%	90-95%

While the J920 Flextra PowerPack itself is a full INNIO scope installation package, project and site specific designs and balance of plant (BoP) systems must be considered such as:

- Fuel gas reducing or compressor station
- Start air vessel, lube oil tanks, urea tanks, water service tanks
- Exhaust gas stack with silencer
- Exhaust gas heat exchanger or boiler for CHP
- Power control container (PCC) with MV distribution, LV distribution and auxiliary transformer
- Step-up transformer
- All civil works including foundations, interconnect piping and wiring and plant control, parts storage, workshop containers etc.

Output and efficiency at generator terminals, ISO 3046, Nat. Gas MN >80, power factor 1.0, 500 mg/Nm3 (@ 5% O2) NOx, efficiency at LHV, all direct driven pumps included.



4-unit plot plan

### Ambient conditions

<b>Standard ambient temperature</b>	-20 to 40 °C	-4 to 104 °F
<b>Option for cold ambients down to</b>	-40 °C	-40 °F
<b>Option for high ambients over</b>	40 °C	104 °F

### Sound pressure level

<b>Standard design</b>	85 db(A) in 10 m
<b>Optional design</b>	65 and 75 db(A) in 10 m

(surface and sound pressure level according ISO 3744)

### Main dimensions per unit

<b>Length</b>	34.0 m	112 ft
<b>Width</b>	7.0 m	23 ft
<b>Option for high ambients over</b>	11.8 m	39 ft



INNIO is a leading provider of renewable gas, natural gas, and hydrogen-based solutions and services for power generation and gas compression at or near the point of use. With our Jenbacher and Waukesha gas engines, INNIO helps to provide communities, industry and the public access to sustainable, reliable and economical power ranging from 200 kW to 10 MW. We also provide life-cycle support and digital solutions to the more than 53,000 delivered gas engines globally, through our service network in more than 100 countries. We deliver innovative technology driven by decarbonization, decentralization, and digitalization to help lead the way to a greener future. Headquartered in Jenbach, Austria, the business also has primary operations in Welland, Ontario, Canada, and Waukesha, Wisconsin, U.S.

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