

A large, light-colored industrial cabinet stands on the left side of the frame. It features a large, stylized orange tiger head graphic on its right door. Below the graphic are several warning labels, including a blue circular one with a 'T' and several triangular hazard symbols. A yellow and black striped warning band at the base of the cabinet reads "DO NOT LIFT HERE". In the foreground, a real tiger with orange and black stripes is lying down, looking towards the camera. The background is a dark industrial setting with structural beams and a white backdrop.

# TURBINE DRIVEN POWER SOLUTIONS



## WHAT CAN WE OFFER?

At Turbine Efficiency we have extensive global experience in the supply of refurbished gas turbines and gas turbine driven packages. This enables us to offer a bespoke cost effective solution to meet your unique operational requirements.

All our work is carried out at our state-of-the-art facility in Lincoln, by our highly experienced technical team.

Packages can be independently witness tested and certified against Turbine Efficiency's in-house test procedure or to the customer's specific performance criteria.







## QUICK FACTS ON THE TURBINE EFFICIENCY GROUP:

- 90,000 sq.ft Facility
- Founded in 2000
- Multi Award Winning
- Highly Accredited – FPAL, Achilles JQS, ISO 9001 and ISO 14001
- Custom Built Solutions
- Fully Tested
- Full refurbishment, maintenance and service capability
- On-site technical and service support



Our 90,000 sq ft  
state-of-the- art  
facility in Lincolnshire



# TP10 PACKAGE

The TP10 package is an ideal unit for industrial power generation, particularly in co-generation or combined heat and power (CHP) where the engine's high temperature exhaust is passed through a waste heat recovery unit or boiler.





# TP10 PACKAGE

Our packages can be self-contained or configured to meet the customer's on-site layout/footprint.

The turbine engine is overhauled to the next 24,000 service interval, when a service exchange or loan turbine can be installed.

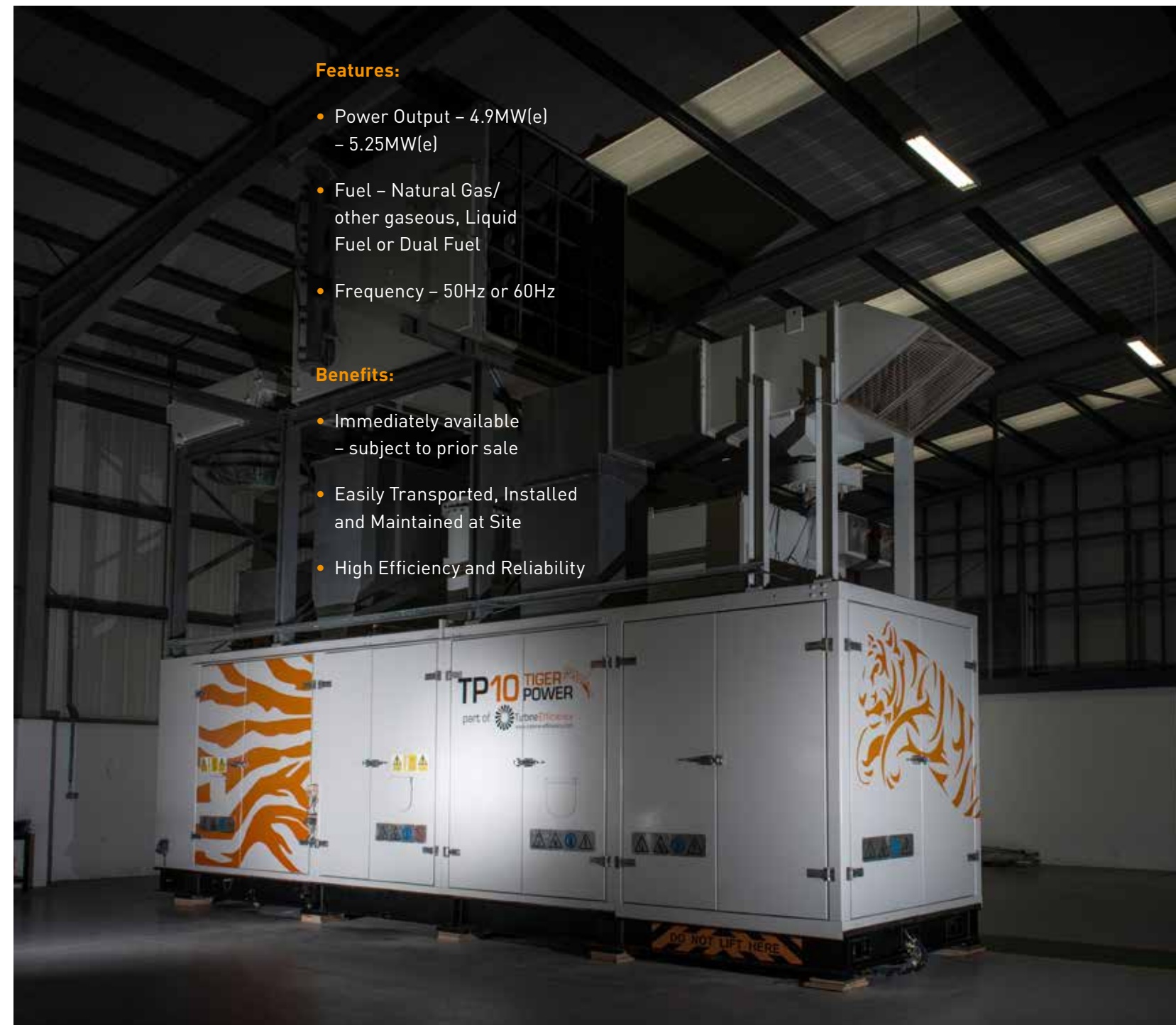
The package includes the TP10 gas turbine driver, all fluid systems, start system, engine services and instrumentation, speed reduction gearbox and alternator.

## Features:

- Power Output – 4.9MW(e)  
– 5.25MW(e)
- Fuel – Natural Gas/  
other gaseous, Liquid  
Fuel or Dual Fuel
- Frequency – 50Hz or 60Hz

## Benefits:

- Immediately available  
– subject to prior sale
- Easily Transported, Installed  
and Maintained at Site
- High Efficiency and Reliability



# TP10 POWER PACKAGE OPTIONS

To find out more or request a technical spec for any of the packages that we currently have in stock, please contact us and ask for a member of the sales team

[info@turbine-efficiency.co.uk](mailto:info@turbine-efficiency.co.uk)

+44 (0) 01522 716 533

TP10 POWER PACKAGE OPTIONS	We can offer you a bespoke package to meet with your site operational footprint and specification..		INCLUDED	OPTIONAL EXTRA
Acoustically Enclosed TP10 Turbine Driver Package			✓	
Acoustically Enclosed Gearbox and Alternator Package (plus all power transmission couplings)			✓	
Motor Control Centre (GT)			✓	
Combustion Air Inlet Filter and Exhaust Silencer			✓	
Gas Turbine Package Fire Protection Equipment			✓	
Turbine Maintenance Tooling and Calibration Pack			✓	
Generator and Control Panel (GCP)			✓	
Turbine Lubricating Oil Cooler (Air Blast or Heat Transfer Plates)			✓	
Turbine Ventilation Fans and Dampers			✓	
Turbine Control System			✓	
Battery Cabinet and Charger			✓	
Documentation (all related test certificates, operator manual, driven unit manual etc.)			✓	
Neutral Earth Resistor				✓
Core Engine Test			✓	
Complete Package String Test			✓	
Custom Design Inlet Filter House (to suit local conditions)			✓	
Installation, Commissioning and Technical Support Services				✓
Training (basic operator level, operational maintenance etc.)				✓
12 Month Operational Spare Parts				✓

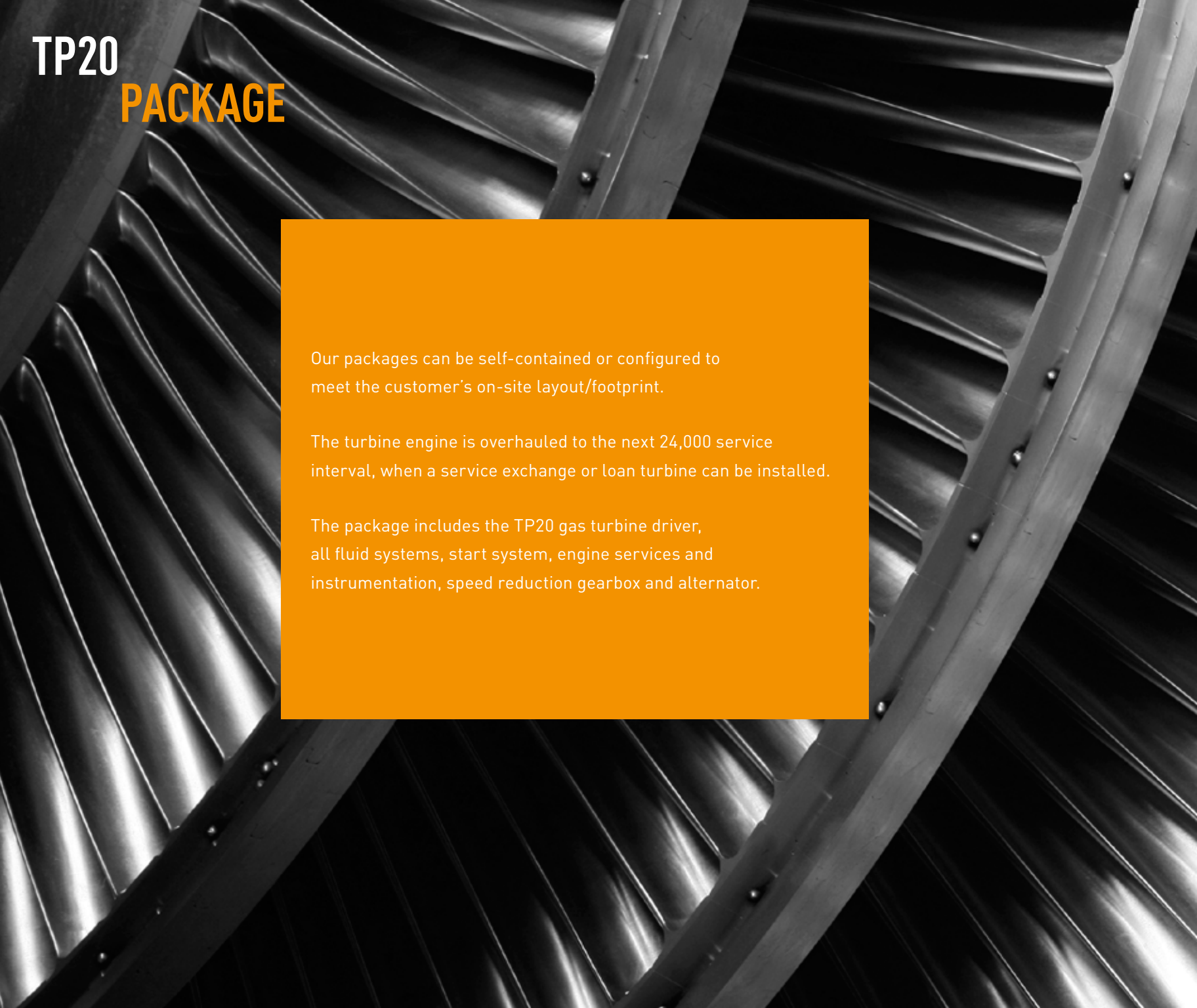


# TP20 PACKAGE

The TP20 package is an ideal unit for industrial power generation, particularly in co-generation or combined heat and power (CHP) where the engine's high temperature exhaust is passed through a waste heat recovery unit or boiler.







# TP20 PACKAGE

Our packages can be self-contained or configured to meet the customer's on-site layout/footprint.

The turbine engine is overhauled to the next 24,000 service interval, when a service exchange or loan turbine can be installed.

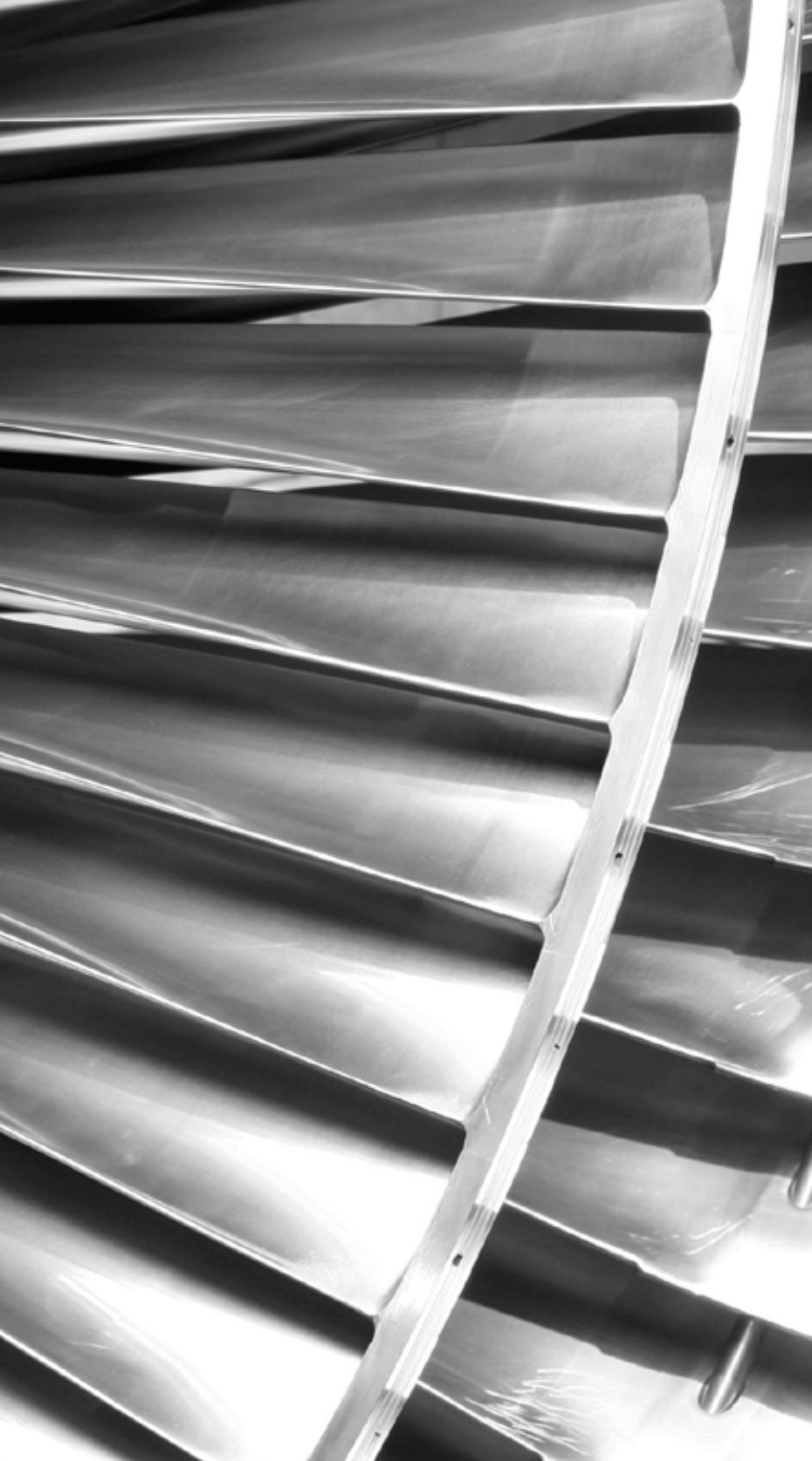
The package includes the TP20 gas turbine driver, all fluid systems, start system, engine services and instrumentation, speed reduction gearbox and alternator.

## Features:

- Power Output – 6.1MW to 6.75MW(e)
- Fuel – Natural Gas/ other gaseous, Liquid Fuel or Dual Fuel
- Frequency – 50Hz or 60Hz

## Benefits:

- Immediately available  
– subject to prior sale
- Easily Transported, Installed and Maintained at Site
- High Efficiency and Reliability





# TP20 POWER PACKAGE OPTIONS

Turbine Efficiency are not only able to provide our customers with a quality refurbished package, but as a business we also have the experience and competency to provide on-site technical and service support.

To find out more or request a technical spec for any of the packages that we currently have in stock, please contact us and ask for a member of the sales team

[info@turbine-efficiency.co.uk](mailto:info@turbine-efficiency.co.uk)

+44 (0) 01522 716 533

TP20 POWER PACKAGE OPTIONS	We can offer you a bespoke package to meet with your site operational footprint and specification.		INCLUDED	OPTIONAL EXTRA
Acoustically Enclosed TP20 Turbine Driver Package			✓	
Acoustically Enclosed Gearbox and Alternator Package (plus all power transmission couplings)			✓	
Motor Control Centre			✓	
Combustion Air Inlet Filter and Exhaust Silencer			✓	
Gas Turbine Package Fire Protection Equipment			✓	
Turbine Maintenance Tooling and Variable Stator Vane Test and Calibration Pack			✓	
Generator Control Panel (GCP)			✓	
Turbine Lubricating Oil Cooler (Air Blast or Heat Transfer Plates)			✓	
Turbine Ventilation Fans and Dampers			✓	
Turbine Control System			✓	
Battery Cabinet and Charger			✓	
Documentation (all related test certificates, operator manual, driven unit manual etc.)			✓	
Core Engine Test			✓	
Complete Package String Test			✓	
Custom Design Inlet Filter House (to suit local conditions)			✓	
Installation, Commissioning and Technical Support Services				✓
Long-Term Maintenance Agreement				✓
Training – (basic operator level, operational maintenance etc.)				✓
12 Month Operational Spare Parts				✓
Permanent Online Wash Skid				✓

## WHY CHOOSE TURBINE EFFICIENCY?

Since it was founded in 2000, Turbine Efficiency has grown into an established provider of services for the RM (Typhoon, TP10), RT (Tornado, TP20), RW (Tempest, SGT-300), TA and TB gas turbine packages.

Our capabilities cover the entire life cycle and focus on every aspect of equipment supply and service with the emphasis on reliability, economy and efficiency. Our prime objective is to maximise up time, improve performance and save costs for our customers.

Turbine Efficiency are not only able to provide customers with a quality refurbished package, but also through our experience provide on-site technical service support.







### **Turbine Efficiency Power Services**

Unit 4, Electric Avenue, Witham St Hughs, Lincoln LN6 9BJ

**+44 (0) 01522 716 533** [info@turbine-efficiency.co.uk](mailto:info@turbine-efficiency.co.uk) [www.turbine-efficiency.com](http://www.turbine-efficiency.com)