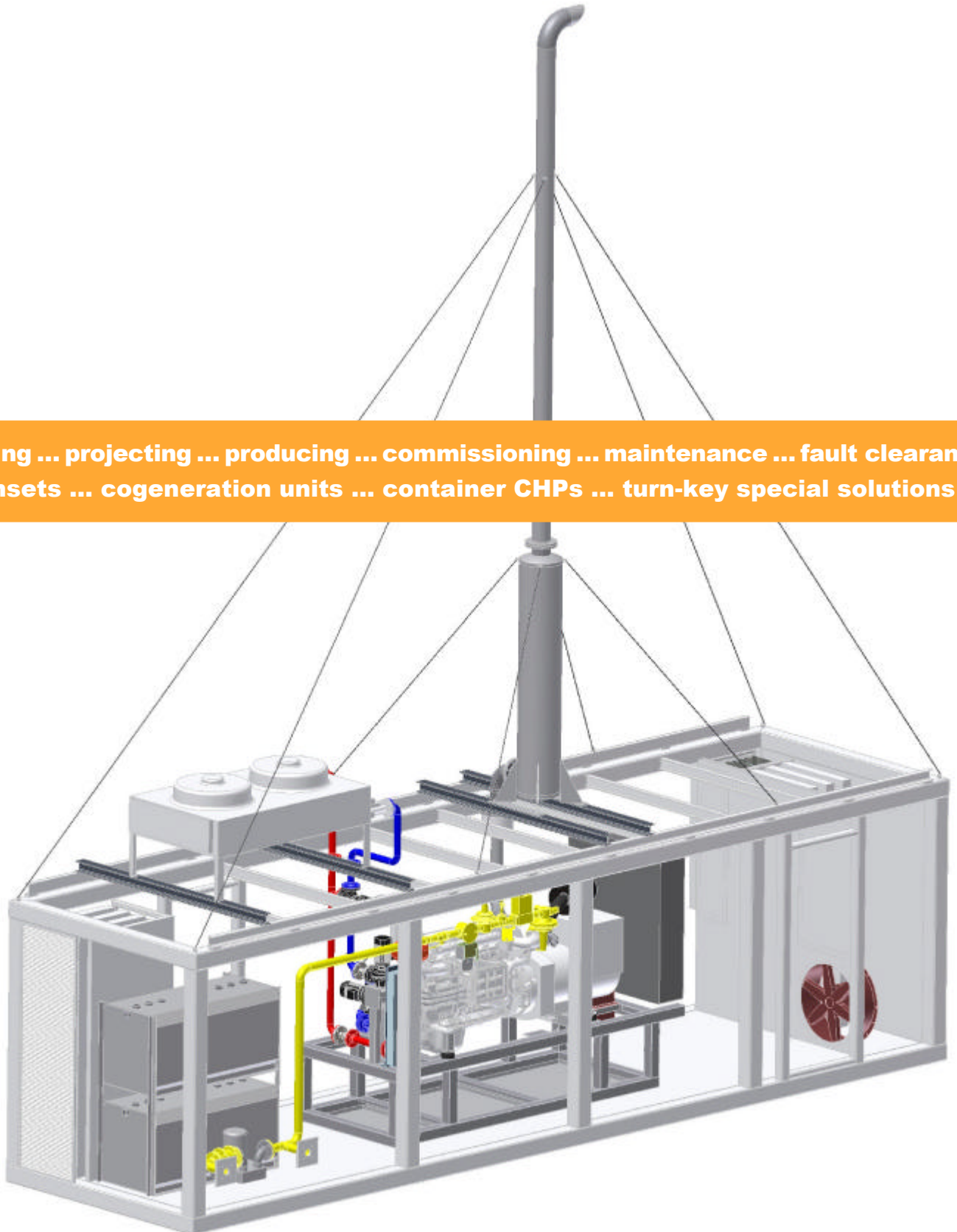
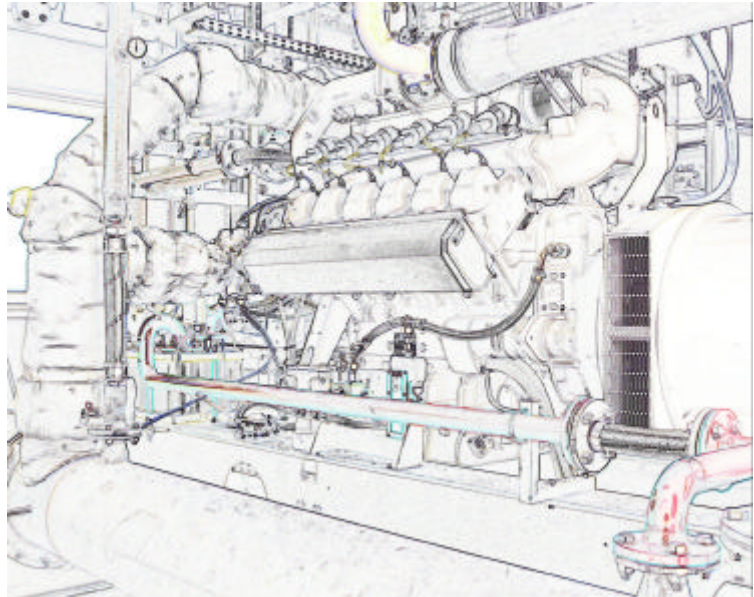


.. planning ... projecting ... producing ... commissioning ... maintenance ... fault clearance ..
... gensets ... cogeneration units ... container CHPs ... turn-key special solutions ...



Cogeneration or Combined Heat and Power?

Energy costs increasing, resources running shorter, environmental conditions tightened - all these facts have to be taken into consideration if energy supply of industry, public buildings, hotels,... has to be examined.



... availability ... profitability ... reliability ... durability ... eco friendliness

Energy efficiency, optimal benefit in using primary energy, producing energy locally, right at the place of consumption and exactly in that moment when it's needed.

All this can be provided by IET's gas operated CHPs - Combined Heat and Power plants. On top of that with nearly zero-pollution and free of particulates.

Economical benefit is given always in case simultaneously using heat (e.g. for heating, absorber cooling, or steam) and electricity - and as long as possible throughout the year.

However as a precondition fuel gas has to be available (natural gas, Biogas, Propane or probably special gases like mine gas, flare gas, wood gas,...).

About IET

IET - Intelligent Energy Technologies GmbH - as leading Austrian enterprise manufacturing cogeneration modules from 50 to 2.000 kWel - is offering modules ready for connection, starting from Genset via CHPs to container solutions as well as turn key energy facilities and user tailored special solutions.

With a team of skilled and competent technicians with application know-how and many years of experience in cogeneration we are able to guarantee highest quality standards and a complete solution from one source.

As fuel gases for IET modules may be used on one hand Biogases from agricultural Biogas facilities, landfill sites and sewage plants and on the other hand Natural gas or Propane for use in hotels, spas and public institutions but even for industrial sites, shopping malls and district heating.

**... consulting ... engineering ... design ... projecting ...
... manufacturing ... commissioning ... maintenance and service ...**

Best quality solutions with state of the art technologies are achieved at IET with a standard of premium components, precisely and carefully manufactured.

With this and together with IET's service technicians and partners you obtain an unmatched reliability and life cycle - in addition with a real operable hot line and emergency service - around the clock and throughout all the year.

Basis for all IET CHPs are gas engines from MAN and MWM (formerly Deutz Power Systems), ensuring highest, long term efficiency, low maintenance costs and utmost availability.



Green Energy

... environmentally friendly, renewable and CO₂ neutral



.. waste water treatment ... landfill sites ... agricultural and leftover Biogas facilities ..

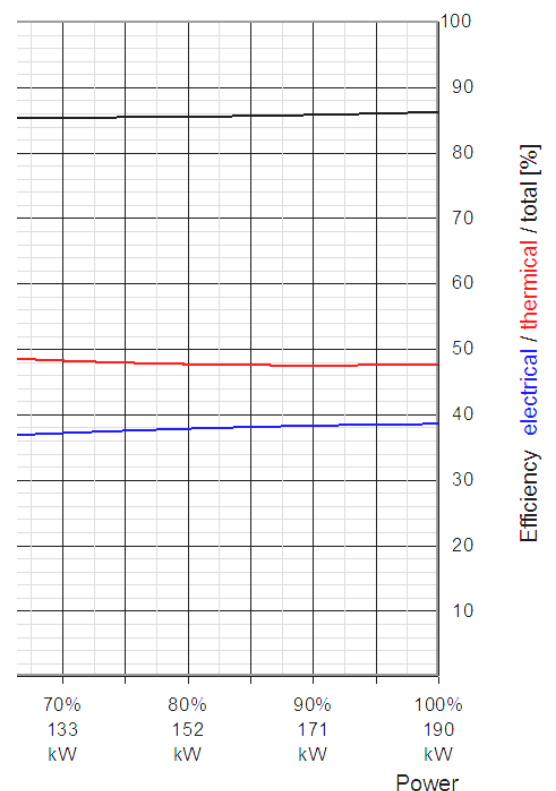
During digesting at sewage plants and landfill sites, with leftover utilization and fermentation at agricultural Biogas plants significant amounts of Methane are produced. Methane - well known as extremely harmful to Ozone.

IET Biogas Gensets and CHPs generate with these gases environmentally friendly - finally neutrally - "green energy". The required thermal energy at sewage plant or agricultural biogas sites for keeping the biological process running is delivered automatically by recovering CHP's engine and exhaust gas heat.

Utilising leftovers need during hygienisation higher temperatures - even here IET CHP's exhaust gas heat is delivering the required energy - if necessary even significant higher than 100 °C.

Additionally in a lot of countries not only green energy is promoted by governmental investment incentives and grid injection fees regulated by law: these rules and regulations consolidate the economical success of such an installation.

IET Bio 190 V01
Efficiency



Natural Gas - a Clean Solution ...and well provided - with Propane

In industry, public sector as well as services beneath manpower costs mainly energy costs are the substantial cost factors.

Potential savings at staff are nearly impossible if quality resp. productivity shall be kept up.

An essential part energy costs are playing in saving and optimizing expenses - very often after staff costs the second highest cost factor.



**... hotels ... hospitals ... retirement homes ... spas ... ice rinks ... shopping malls ...
... chemical industry ... breweries ... food and beverage industry ... dairies ...**



Here IET cogeneration units start with Combined Heat and Power: standard solutions based on a modular construction system, adaptable to user's individual requirements.

As larger the designed cogeneration unit is as more cost effective the generated electrical power can be provided.

On the back of this the parallel produced heat can be utilized - e.g. as industrial process heat at higher temperatures or as steam; for district heating or in hotels or wellness areas and not at least for cooling purposes using an absorber chiller - with an efficiency of remarkable 90% of the inserted thermal energy.

In Austria oil fired heating systems substituted by CHPs are promoted additionally by law with up to 30% of the total investment.

Our Know How - Your Success

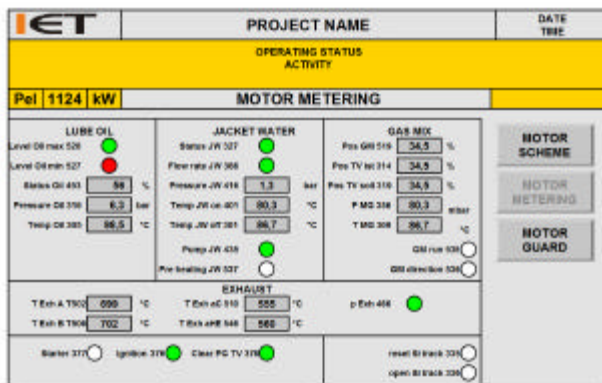


Beside services for IET products we are specialised on problem solution, conversion and modernising gas modules of well known manufacturers with an output of up to 1.000 kW.

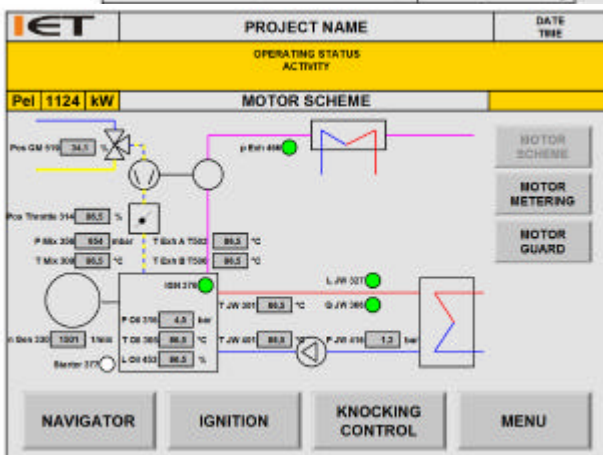
This essentially includes the revision of existing control units as well.

Regarding cogeneration with Natural Gas and Propane we use a low-cost management system, for optimizing the operation of gas CHPs in connection with other heat generators und load management systems at minimal user's costs.

**... specific heat recovery ... island mode ... hot water circuit control ...
 alternative gas operation ... remote operation ... grid consumption/injection control .**



The IET module control comprises already all necessary CHP software features based on IET's long-standing know how about gas driven cogeneration units: different interfaces, remote access, alert via SMS, CH₄ content controlled operation, thermal resp. electrical guided operation, island operation mode, alternative gas operation,...



Touch screen visualization graphically shows all control settings. Via integrated trending system the incidents, operating conditions and measured data are sampled and logged. With this all necessary information are always ready for a complete diagnosis.

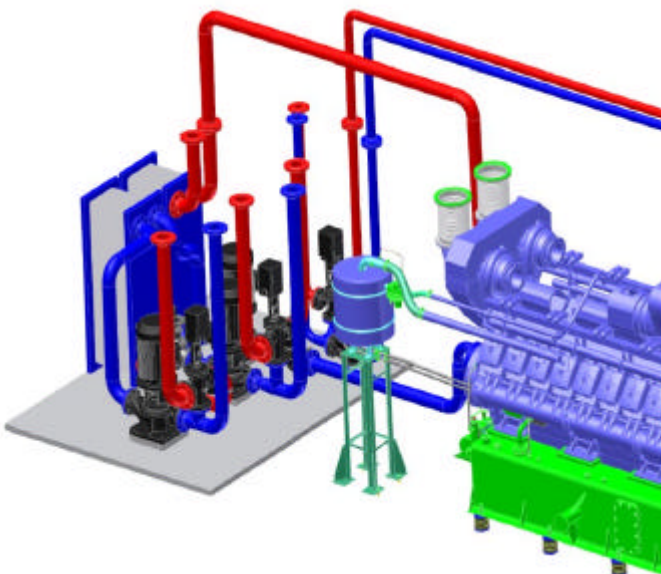
Furthermore IET stands for the ability of integrating user specific requirements.

Special Solutions

...our adaptable standard meets your needs



... trigeneration ... direct driven (refrigerating) compressors ... steam generating ...
... gas chillers & dryers ... heat supply units ... turn-key special solutions ...



Whatever you're doing....

...your energy supply should always be cost-saving optimized and technical perfect.

IET is your partner for delivering suitable, user tailored cogeneration solutions together with service packages supporting you for a whole CHP life in exact that degree you need.

IET - simply the better solution

... skilled ... operational ... solution oriented ... reliable ... innovative ... engaged ...