



KILBURN ENGINEERING LTD.



Infinity Solutions Co. Ltd.

Waste Heat Recovery System/EGB

+88 01782 211 660

+88 01312 925 094

islcanada14@gmail.com

info@isl14.com

Saving energy... for the future



Energy Systems, Perfectly Customized

 www.isl14.com



About Us

Founded in 1998, M.E. Energy Pvt Ltd quickly emerged as a leader in the thermal engineering and energy efficiency sector. We have always focused on rethinking the boundaries of design, manufacturing, and installation of heating, cooling, and energy-saving systems.

Guided by our seasoned leadership, M.E. Energy has executed diverse projects. From simple waste heat recovery systems to customised installations for various industrial applications, we deliver sustainable solutions, resulting in notable operational improvements and cost savings for our clients.

Innovative approach, technical know-how, and state-of-the-art facilities are the foundational anchors of our business success, resulting in our clients achieving significant cash savings and numerous benefits. These gains come from implementing our unique solutions in Energy Savings, Energy Cost Reduction, Industrial Process Improvements and beyond, a fact reiterated by repeated orders we continually receive.

Recently M.E Energy became a wholly owned subsidiary of Kilburn Engineering Limited ("KE"), an entity listed on the Bombay and Calcutta Stock Exchanges. KE also is in the Thermal Engineering domain like M.E Energy, and is the market leader in solid, liquid and gas drying systems and provides comprehensive packaged solutions for tea, fertilizer, carbon black, soda ash, pharmaceuticals, dyes, pigments and specialty chemicals etc.

Core Competence

Custom Built Thermal
Engineering Systems



Energy Saving
Systems



Heat Exchanger
& Pressure
Vessels



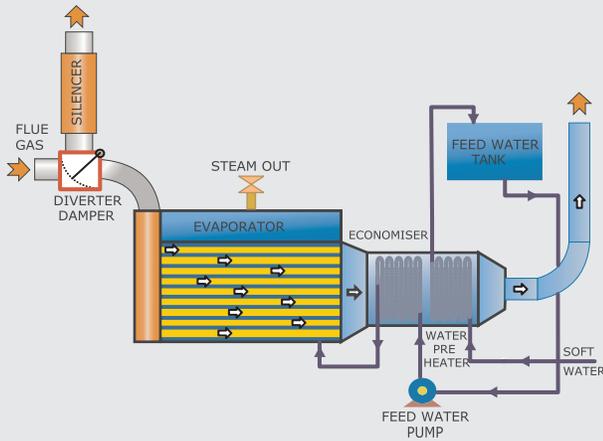
Fired Energy
Systems

- Exhaust gas boilers, process integrated boilers, reformer gas boilers, skid mounted systems, pre-heaters, etc.
- WHR systems for secondary power generation and process heating through process steam, hot thermal oil, hot water, hot air, or any combination thereof

- Process heat generation and distribution systems
- Specialization in designing and developing unique, first-of-its-kind solutions according to customer needs
- Hot water generator, hot air generator, thermic fluid heaters and ovens

- Heating & cooling systems for high-end applications in oil & gas, polyester, viscose fiber, etc.
- In-house design and detailing expertise
- Heat exchangers, pressure vessels, process columns, and reactors

Smoke Tube Boilers

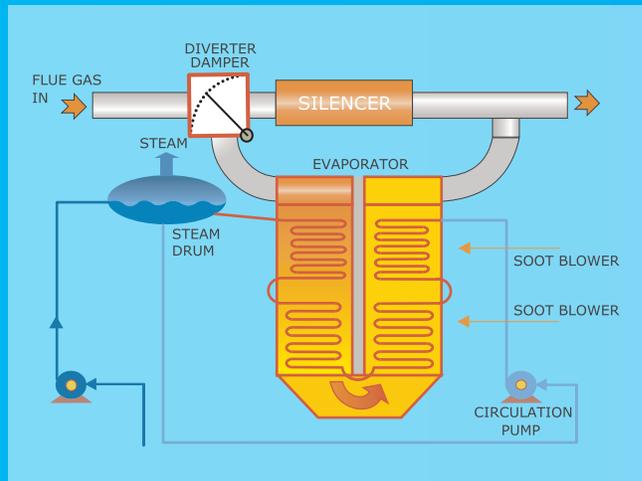


- Vertical/ Horizontal, Smoke Tube Boilers as Per ASME/ IBR
- For Low and Medium temperature Waste Gases
- Common Boiler for Multiple Engines possible
- Simple Natural Circulation System with lowest Power Consumption
- Container Mounted / Skid Mounted Units available

Major Customers	<ul style="list-style-type: none"> • Mondol Fabrics Ltd • Devine Textile 	<ul style="list-style-type: none"> • Bashundhara Paper Mills Ltd • KDS Garments Ltd 	<ul style="list-style-type: none"> • Abrar Steel Industries Ltd • Beacon Pharma
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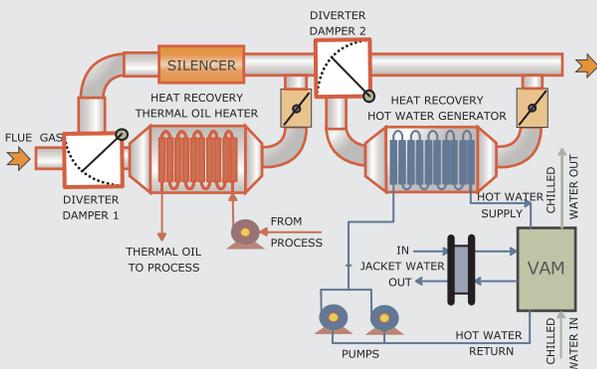
Water Tube Boilers



- Water Tube Boilers as per ASME / IBR for both Process Steam and Secondary Generation Applications.
- Bare Tube Designs for Dust Laden Gases
- Vertical / Horizontal, Single Drum / Bi-drum Boilers, Finned/ Bare Tube Design
- Online Soot Cleaning by Steam or by Compressed Air Blasters

Major Customers	<ul style="list-style-type: none"> • United Ashuganj • Confidence Power 	<ul style="list-style-type: none"> • Indian Oil Corporation Ltd • Assam Petrochemical 	<ul style="list-style-type: none"> • JSW Steel • Deepak Fertilisers
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Heat Recovery Unit

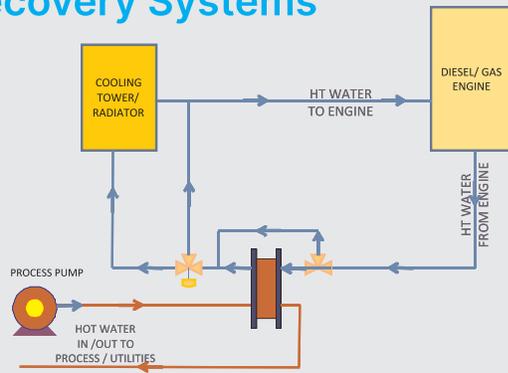


- Combination Systems to Maximize Cash Savings Designed to suit specific Applications
- High Temperature Thermal Oil Systems up to 390°C

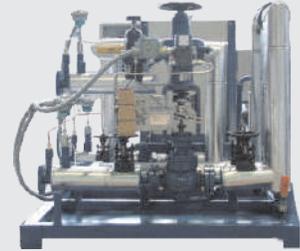
- Hot Water Systems - Atmospheric up to 95°C. Pressurized for Higher Temperatures
- Vertical, Horizontal, Finned / Bare Tube Heat Recovery Units
- Designed to accommodate Expansion Forces due to High Temperatures
- Ample Access and Approach for easy Maintenance

Major Customers	<ul style="list-style-type: none"> • Libas Textiles Ltd • Bhushan Power and Steel 	<ul style="list-style-type: none"> • John Cockerill • Vegetable Vitamin Fluid (VVF) 	<ul style="list-style-type: none"> • Jindal India • JSW Steel
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Jacket Water Heat Recovery Systems



- Compact Skid Mounted LT and HT Water Heat Recovery Systems
- Custom Engineered to meet specific Engine requirements
- Precise and continuous electronic jacket water temperature control system approved by Engine Manufacturers
- Recovered heat can be used in Process or Vapour Absorption Chillers
- Additional Power Cost Savings by automating Cooling Tower or Radiators



Major Customers: Confidence Power, Libas Textiles Ltd, Zodiac Power, Enerzia Power Solution, Reliance Chemotex, Shree Gluco biotech



Hot Water Generator

M. E. ENERGY Hot Water Generators are of Shell & Tube Construction, Horizontal Smoke tube type. This design is superior to the coil type water tube heaters available in the market owing to a number of features such as..

- Latest technology
- Lower headroom requirement
- Drastically lower operating costs
- Lower total cost of installation
- Easy maintainability
- Minimal refractory work in construction

Major Customers: Durr India, Plustech Systems & Solutions Pvt Ltd, Hero Moto Cop, Tvs Motors, Royal Enfield, Bajaj Motors

Thermic Fluid Heater



M.E Energy Thermic Fluid Heaters are designed to suit various capacities and application requirements.

We believe in supplying a complete solution i.e. turnkey systems to customer instead of only products. We use imported burners for higher efficiency and better performance of heater.

No.	Parameters	Value
01	Construction	Helically wound concentric coils
02	Orientation	Horizontal / Vertical
03	Flue Gas Passes	3 Passes
04	Thermal Efficiency	Direct Fired-85% to 90%
05	Accessories	Air Preheater

Major Customers: Britannia Industries, Vegetable Vitamin Fluid (VVF), Filatex India, HEG Ltd, Praj Industries Ltd, Malayan Daching Co PTE Ltd

Experience that you can count on

M.E Energy has decades of experience with gensets, enabling us to offer reliable engine waste heat recovery-based CHPC products, configurable for use with almost all leading gas engines and DG sets today.

- Caterpillar
- Cummins
- Deutz
- GE Jenbacher
- Guascor
- Greaves
- KOEL
- Man
- Perkins
- Rolls Royce
- Skoda
- Wartsila
- Waukesha
- And many more...

Energy Systems, Perfectly Customized



M.E ENERGY PVT. LTD.

Corporate Office :
1st Floor, Symphony A,
Range Hill Road, Bhosale Nagar,
Ashok Nagar, Pune,
Maharashtra, India 411 020.



Infinity Solutions Co. Ltd.

Head Office :
House # 30, Road # 13
Nikunjo-2, Khilkhet,
Dhaka-1229, Bangladesh
Cell: +88 01782 211660

Factory:
Dogair, Sarulia Demra
Dhaka-1360, Bangladesh
Tel: +88 02 55092474