Power

A MARKET THAT ENERGIZES THE WORLD

During the next 20 years, the world’s population is set to grow to almost 8.8 billion people: That is 1.5 billion more than at the present time and they will all need energy.

More than half the growth in global energy demand will go into generating electricity. In the process, natural gas and renewable sources of energy will increasingly replace coal.

More than one third of the growth in electricity generation could be attributable to renewables. A similar trend is occurring in global primary energy growth, where a quarter of this volume could be covered by renewables.

For coal, oil, gas, wind or water: Kelvion has the right solutions when it comes to generating and providing energy. Our products are used in power plants worldwide. Irrespective of global trends, our expertise and knowledge involving the fuels powering the world economy will continue to be in demand.
# A Selection of Kelvion Solutions When it Comes to Generating and Providing Energy

## Plate Heat Exchangers
- Worldwide technology leader in the manufacture and development of plate heat exchangers
- Most extensive product ranges on the market

## Transformer Oil Cooler & Pumps
- Air Coolers, Waters Cooler and Pumps for oil-immersed transformers
- Technical advice and long-term experience for our worldwide customers
- Materials and products selected, designed and optimized to customer specifications

## Closed Circuit Cooler
- Safety heat exchanger with double tube system
- Tube systems with enhanced heat transfer
- Different materials and surface protection for gas side cooling surface
- High corrosion resistant tube material (stainless steel, titan)

## Charge Air Cooler
- Safety under extreme conditions
- Compact design - low weight and small space requirements
- Close collaboration with engine manufacturers and vehicle contractors

## Air Fin Cooler
- Big variety of air cooler designs for specific customer needs
- Fan drives meeting low noise and low vibration requirements
- High performance finned tubes

## Steam Surface Condenser
- Special application of Shell & Tube to condensate the exhaust steam from from steam turbines
- Performing vacuum to assure overall efficiency of the steam turbine cycle
- Package solutions for customer’s needs

## Shell & Tube Heat Exchanger
- For a wide variety of applications
- Cost efficient and reliable solutions
- Standardized product lines for an optimal price/quality ratio
- Customized designs for the most demanding duties

## Radiators & Dry Coolers
- Wide range of available plain and finned tubes
- For water or oil cooling in a wide range of applications & processes
- Cooling of lube oil systems and closed cooling water circuits in power plants
- Customized designs to fit customer requirements

## Air Preheater
- Air preheaters heat up the combustion air used in a fossil power plant boiler or waste incineration plant to optimize the combustion process
- Wide range of available plain and finned tube systems

## Coils
- Air coolers, air heaters, evaporators, condensers, heat pipes and high efficiency run around coils – carefully selected and appropriately fitted to our customers’ needs
- The production flexibility of diverse fin tube patterns, materials and additional options enable us to offer the best possible solution

[www.kelvion.com](http://www.kelvion.com)