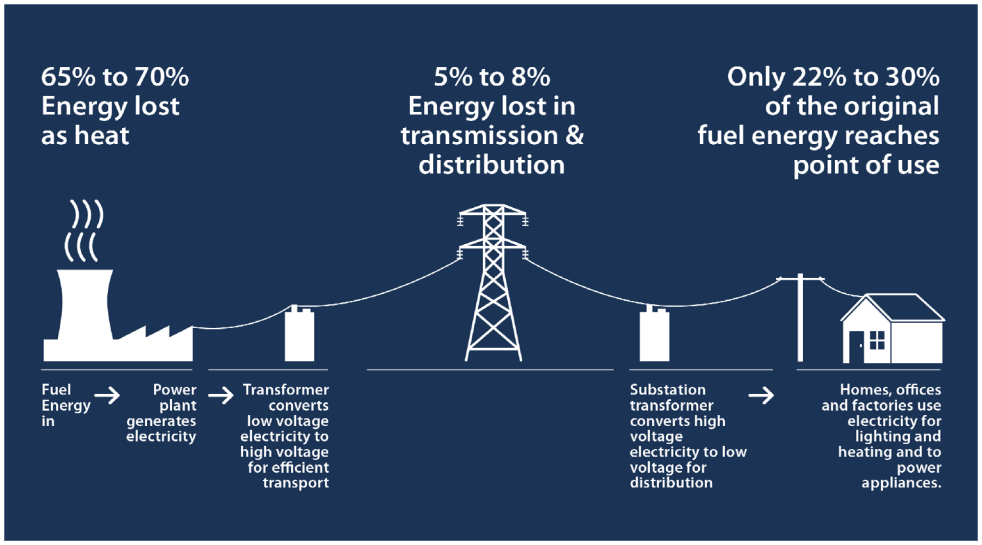
Where are fuel cells used?

On-site - generating clean, highly efficient power.

Ceramic Fuel Cells is developing fuel cells for residential and light commercial electricity co-generation products - also known as micro-Combined Heat & Power units (m-CHP). These modular generator units are part of a Distributed Generation (DG) network. Rather than a large centralised power plant, there are many smaller 'generators'.

How efficient is energy delivered via a coal fired power station?

Efficiency losses from electricity generated by coal fired power station and delivered to the home through today's traditional networks are large. The efficiency losses from centralised generation include: losses from the power plant, high-voltage and low voltage transmission as well as distribution losses.



How does this compare with Ceramic Fuel Cells technology?

Using Ceramic Fuel Cells' technology, electricity is generated at up to 60 per cent electrical efficiency at the point of use. The household can also use the heat from the fuel cell for domestic hot water and/or space heating, which increases the total efficiency from the fuel energy.