

// ORC TECHNOLOGY: GENERATING ELECTRICITY FROM WASTE HEAT //////////////////////////////////////

ORC is a thermal cycle process which uses thermal energy to generate electricity. First, hot exhaust gas from the heat source (e.g. an internal combustion engine) is fed into the ORC module. In the module, liquid hydrocarbon – the working fluid – is evaporated using the thermal energy. The steam passes to a turbogenerator under pressure, where part of the thermal energy is converted into electricity. The steam is then recondensed in a condenser at low temperatures. A pump feeds the working fluid back into the evaporator.

