Otto Simon has significant experience providing Operation & Maintenance Services to plants in the UK and around the world.

We specialise in providing competitive, technically excellent services to the Coke and Steel industries, including:

- Detailed Inspections for Batteries, ovens service Machines and By-Product plant
- Oven Repairs and Re-Builds (Including Hot Repairs, Through Wall Repairs and Rolling Re-Builds)
- Refractory Lining, Hot Refractory Repairs, and Kiln Lining
- Procurement of Equipment and Spares
- Recovery Plans, Process Optimisation and Plant Improvement Studies
- Routine Maintenance Work
- Condition Monitoring
- Operational Support
- Optimisation of Heating Systems (improving energy efficiency and ensuring battery performs within design parameters)
- Ceramic Welding Services

All tall ovens in the UK are based on Otto design and were constructed by Otto Simon’s legacy companies.

Otto Simon has significant experience providing Operation & Maintenance Services to plants in the UK and around the world. Our site based engineers and operating personnel provide technically aware and competent support to ensure plants are operated and maintained to the highest possible standard.

Otto Simon holds the technical files for OEM and design of the remaining operational UK Coking Plants, and possess an unrivalled knowledge of the process involved with operating and maintaining coke plants, coke ovens, and coke oven service machinery.

Our services are supported by the process-led engineering expertise and technical support provided by our Head Office, and are backed by our 140 year heritage. We are familiar with technically complicated processes and can provide Operation & Maintenance services to support a range of technologies.
Rebuild Services & Hot Repairs
Otto Simon is highly experienced in performing repair and re-build services for Batteries, Refractories and Kilns. Our specialist personnel are capable of working in high temperature intensive environments whilst the rest of the plant remains in operation.

Our specialities include:

- Heating Flue Ducts and Regenerator Chequer Brickwork Repairs
  » Blockages within heating flue air ports
  » Regenerator damage at end / middle flues
  » Regenerator corbel damage and repair

- Through Wall Repairs
  » Including oven roof repairs

- Brickwork Repairs
  » Refurbishing and Reinstating brickwork structure
  » Demolition and clearance of redundant brickwork

- Ceramic Welding
  » Repairing joints, cracks, scorches, hollow fillets, holes, etc.
  » Performed on hot ovens

Battery Inspections
Otto Simon offers battery inspection services for all designs of coke ovens. The scope is tailored to the clients specific requirement, but a typical inspection includes:

- Refractories
- Steelwork and Bracing
- Battery Service Equipment
- Heating Flue Observations
- Pollution Sources and General Housekeeping
- Battery Heating
Otto Simon is a diverse engineering and project delivery organisation, providing services to the financial and industrial sectors.

Based in Manchester, Otto Simon builds upon our 140 year heritage and experience in coal and coke processing.

We work successfully with a wide range of clients across the world to provide cost effective, innovative and practical solutions in: Coal & Coke Processing and By-Products, Chemicals & Petrochemicals, Thermal Processing, Biotechnologies and Biomass Processing.

Our services range from concept design and engineering consultancy, to project delivery, Operation and Maintenance support. Otto Simon understands CDM 2015 regulations and is currently operating as Principal Designer or Principal Contractor on three live projects in the UK.

Working with our group company, John M Henderson, we provide best-in-class engineering to support coke oven machinery projects from start to finish.