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**PROJECT NAME:**

Diodes

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**CLIENT:**

Diodes Zetex Semi-Conductors

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**LOCATION:**

Oldham

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**M&E ORDER VALUE:**

£1.56m

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**CONSULTANT:**

Deerns

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Diodes is a global leading manufacturer and supplier of various types of electronics which are installed in every type of device imaginable such as mobile phones, TV/satellite Set-Top Boxes, DVD players, notebooks, cameras and medical devices. Their manufacturing site is a 24hr round the clock operating facility which needed to be expanded to meet demand. Dodd Group was commissioned to supply, installation and commission the M&E Services to two new Cleanroom areas, Lithography and associated ancillary rooms.

The installation comprised General Ventilation systems, Acid & Solvent exhaust systems, heating, chilled water, process cooling water, Terminal HEPA Filtration, BMS, minor sprinkler modifications and associated electrical installation.

Specialist extract systems were manufactured off site and installed utilising extruded UPVC duct with external GRP reinforcement to cater for the removal of flammable toxic fumes. The balancing, setting to work and third party validation of the new installation had to be planned closely with the Client to incorporate the new systems into the existing infrastructure without affecting the 24/7 operation of the site.