

Mission accomplished

Achieving the impossible...

International Construction Design & Management Ltd (ICDM) is a multidisciplinary consultancy that manages projects in, for example, defence, aviation, engineering, manufacturing, energy/utilities, health, residential, education and administration. We provide an integrated and flexible service to suit project requirements, operating under ISO9001 (Quality), ISO14001 (Environmental) and OHSAS 18001 (Occupational), and taking pride in maintaining Silver Status in Investors in People.

The company specialises as an employer's agent, in cost and project management, Construction Design and Management (CDM) coordination (regulatory compliance), design coordination (energy, efficiency and flexibility), management of the construction process (bespoke specialist services) on projects with high risk, and in contaminated environments.

ICDM experience includes:

- RAF Feltwell for GTE, on behalf of United States Air Force, Space Command – project/construction management, including design coordinators for a new primary geodesic ground base station and infrastructure for satellite deep space management;
- Territorial Army – project management and CDM coordinator for telephone exchange and communication network;
- Energy centres and distribution networks for the London 2012 Olympics – 120MW heating, 25MW cooling and 17MW electricity – CDM coordinator, environmental managers, major accident prevention plan from operational and commissioning



activities. We also manage the waste resources action plan, enabling sustainable monitoring to be achieved during design development and construction – facilitating the Olympic Delivery Authority's long-term target to reduce carbon emissions by 50% to be achieved;

- MG Rover, Power Train and Light Duty Vehicle manufacturing plants dismantled and relocated to China. ICDM operated as project managers, CDM coordinator, structural engineers, and in environmental and waste management, and process and M&E de-commissioning.

Our experience also includes the removal of a multi-spindled grinding shaft weighing 20 tonnes, which took UK engineers three weeks every year to dismantle and reassemble in the horizontal plain. When lifted vertically, however, the same operation was completed safely in two days by using gravity and standing the spindle on its end. We have also removed multiple chimney flue stacks by using two 50 tonne forklifts at 90 degrees. One access platform and cutting gear allowed polo sections of contaminated flue stacks to be sequentially removed from above the supporting pedestal for decontamination. Lowering the primary flue stack and

shortening the roof stabilising wires enabled the project to be completed safely for one-fifth of the budget, in one-third of the time.

We are members of the Electrical Energy Storage Network Committee, and advise the government on future UK energy policy. ICDM are concurrently writing the Health and Safety Executive guidance on large commercial ammonia refrigeration. We have completed scientific and engineering research in the area of energy storage, waste heat and electrical salvage technology, and have international patents pending (Global Power and Energy Ltd). This improves systems efficiency, and reduces energy requirements and the carbon footprint.

Our success is achieved by proactive project ownership and good leadership: knowing how to manage the identified hazards/risks, and then communicating the actions that needs to be taken. This is achieved by all team members knowing the project in detail and by encouraging the best from each individual. Regular face-to-face meetings are used to define achievable aims; time is used effectively to get the right information to the right person at the right time.

ICDM team success: the impossible can be and has been achieved.



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