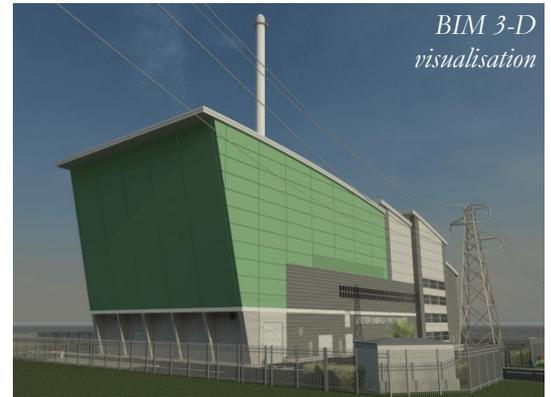


Exeter Energy from Waste Facility



Purchaser: Viridor Waste Management Ltd
EPC Contractor: Tiru S.A.
MSJ Service: Civil Works Lead Designer



*BIM 3-D
visualisation*

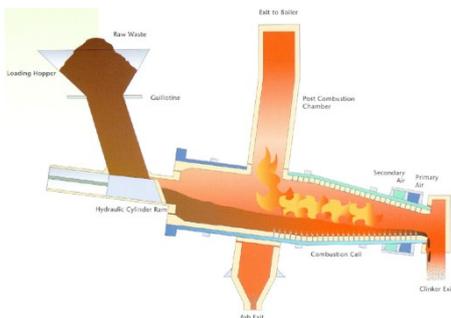
Melia Smith & Jones Ltd have worked with Tiru and their UK representative, Cobalt Energy Ltd, for a number of years as their Civil Works advisors. Involvement has ranged from simple technical feasibility reviews, outline designs for cost plans and final design. Exeter is one such project, which took several years to come to fruition with Tiru being appointed as the EPC contractor in 2011. Melia Smith & Jones Ltd led the civil design proposals and we were subsequently appointed as the Civil Works Lead Designer.

As the civil designers Melia Smith & Jones had responsibility to co-ordinate, design and issue construction information to define the building and structural works, drainage and infrastructure. On these types of project, Civil Works covers all matters that are not Process so our brief also included co-ordination, management and control of architecture, building services, building control, planning, external works, landscaping and so forth.



The Exeter project civil works were procured on a multiple trade contract methodology managed by Chilworth Construction Management on behalf of Tiru. Chilworth also managed the construction site working closely with Tiru.

Our design outputs, drawings, specifications etc., were closely co-ordinated with the Chilworth work schedule and trade contract requirements. This methodology provided Tiru with a highly effective management of the civil works in terms of timescale and cost control.



A particular feature of the site was that it was sandwiched between HV overhead power lines and the main railway line to Penzance.

The plant is based on Tiru's reciprocating drum technology and its internal layout closely follows that of the Grimsby EfW with which Melia Smith & Jones were closely involved. The plant has a maximum licensed throughput of 60,000 tpa MSW and generates electrical power to grid. The plant came on-line in 2014, on time and to budget.



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