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# Water Coasters

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## 3D Slide Path Geometry - Support Structure and Foundation Design - Access Tower Design



Water Coasters differ from water slides in that they are ridden in boats making them a 'dry' leisure installation.

Melia Smith & Jones have provided Structural Engineering Services to many of the world's major Water Slide Manufacturers on a large number of projects throughout the UK, Europe and the rest of the world.

Extensive use is made of computer aided design and drawing to generate and manipulate complex 3D slide paths and structures. MSJ have developed computer programs in-house, interfaced with their CADD system, to ensure speed and accuracy in carrying out these tasks.

A 3D computer model is created both for visualisation and clash detection.

Rendered perspective views can be created at proposal stage to enable the Client to fully visualise the impact of the development on the site.

Final design with detailed drawings ensures that site construction consists of assembling a kit of pre-fabricated and pre-drilled components.



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