

FATHON v0.1 offshore deep thinking

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- Fathom is Empire Engineering's internal foundations concept design and analysis tool.
- Users can enter a range of analysis parameters (met-ocean, geotechnical, turbine, etc) and Fathom will perform analyses using these parameters to design monopile, jacket and gravity base WTG foundations.
- Unlike current analysis packages, Fathom does not rely on the user entering a geometry and analysing it. Fathom will generate a structure based on the user inputs and iterate the design to an optimised structure.
- This eliminates the geometry creation, analysis, and redesign, and reanalysis cycles, allowing Fathom to created foundation designs faster and more cost effectively for clients.



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- Fathom uses a novel web based interface to which allows users to enter analysis parameters and view results.
- This allows users located anywhere in the world to access Fathom without the need to install software locally which typically requires IT authorisation.

Empire Engineering - FATHOM		-
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Please select structure class to optimise. Alternative Structural Options Monopile MPTP Bolted Optimise a given geometry	Interface Select WG	
Monopile MPTP Grouted Select Geometry to Optimise	WTG 1 v interface Elevation	
Monopile TP-less Analyse geometry without optimisation	6 m () ()	
Jacket 3-leg Jacket 4-leg Select Geometry to Analyse		
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Live Fathom Demonstration

