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Coordinates: 58°39′30″N 3°7′30″W﻿ / ﻿

# MeyGen

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**MeyGen** (full name **MeyGen tidal energy project**) will be the world's largest tidal energy plant, which is currently in construction.<sup>[1]</sup> The first phase of the project uses four 1.5 MW turbines with 16m rotor diameter turbines submerged on the seabed.<sup>[2]</sup> The project is owned and run by Tidal Power Scotland Limited and Scottish Enterprise.

The high speed of currents in the area, reaching up to 5 metres per second (11 mph), made the chosen site in the Pentland Firth well suited to this type of energy generation.<sup>[3]</sup>

In October 2010 the newly named "MeyGen" tidal project from the nearby Castle of Mey and "Gen" for generation was created by a consortium of Atlantis Resources Limited, Morgan Stanley and received operational lease from the Crown Estate to a 400 MW project for 25 years.<sup>[4]</sup> Phase 1a began operations in April 2018.<sup>[5]</sup> Phase 1b is undergoing construction and commissioning with a total of 8 1.5 MW turbines planned. Phase 1c, which will be 49 turbines, will begin construction and deployment in 2018 with the rest of the project aiming to be fully deployed by 2021.<sup>[2]</sup>

In December 2016 it was announced that the first turbine had begun full power operations,<sup>[6]</sup> and all four turbines were installed by February 2017. Atlantis plans for 400 MW.<sup>[7]</sup> As of 2018, the four turbines have produced 8 GWh.<sup>[8]</sup>

## References

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