Typical development path from wave tank to commercial deployment

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1. Test at the EMEC center in Orkney: one year for planning and manufacturing and one year for deployment before next step.
2. Testing in arrays at the Wave Hub in Cornwall: two years for planning and manufacturing and one year for testing before the next step.
3. Testing at a round 1 first semi-commercial farms: three years for tender, planning and manufacturing and one to two years for testing before a round 2.

Timetable

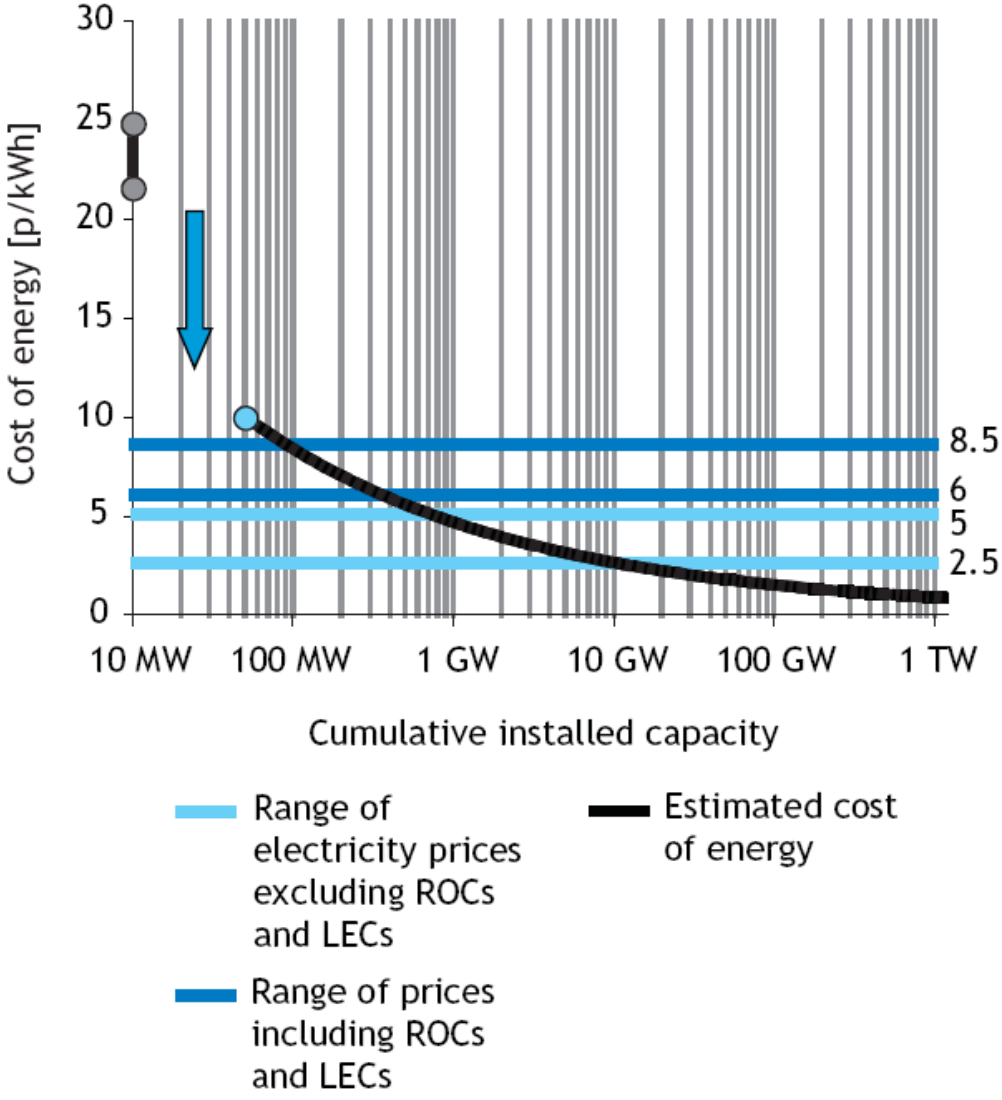
1	2	3	4	5	6	7	8	9	10
EMEC		Wave Hub			Round 1				
Plan	Test	Plan	Manufac	Test	Plan / EIA		Manufac	Test	

The process can be speeded up if the authorities accept overlapping of the phases, this has not happened as yet.

If development takes place in parallel in other countries it could be speeded up.

Look at wind industry: first when orders of 100 turbines were issued the industrial development and the way down the learning curve took place.

Figure 10c *Offshore wave energy cost reduction scenario*
Scenario C: 10.0p/kWh starting point, 10% learning rate



Note: Curve implicitly includes a gradually falling discount rate from 15% to 8%.
Source: Entec

Learning curve