



# SHARING DATA TO ATTRACT INVESTORS





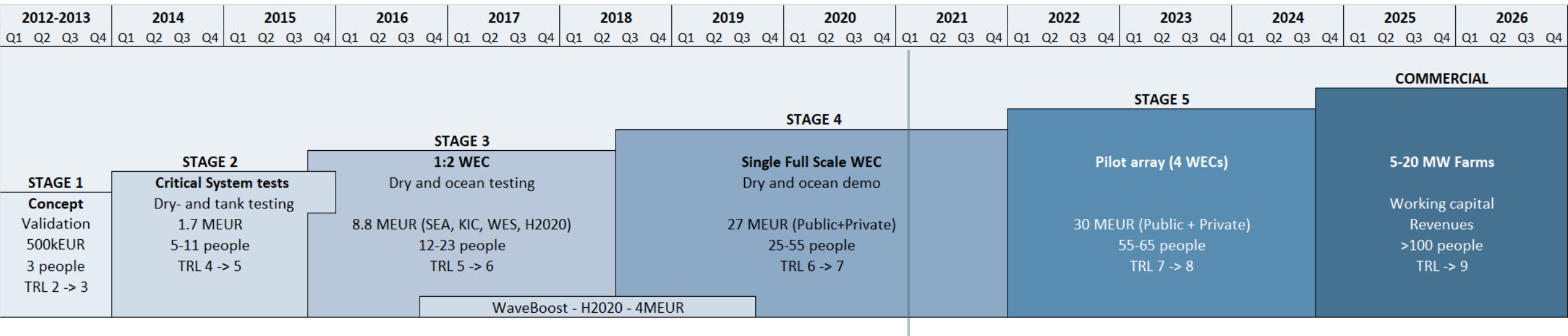
# CORPOWER OCEAN & HIWAVE-5 PROJECT IN SHORT



- Developer (OEM) of **New high-efficiency Wave Energy Converters**
- **Started in 2010.** Offices in Sweden, Norway, Scotland & expanding in Portugal.
- Physics providing **competitive LCOE**, verified through step-by-step approach.
- Project developers & utilities engaged, including **EDP, Simply Blue Energy**
- Broad backing across Europe. **50+ MEUR** funding secured to date.



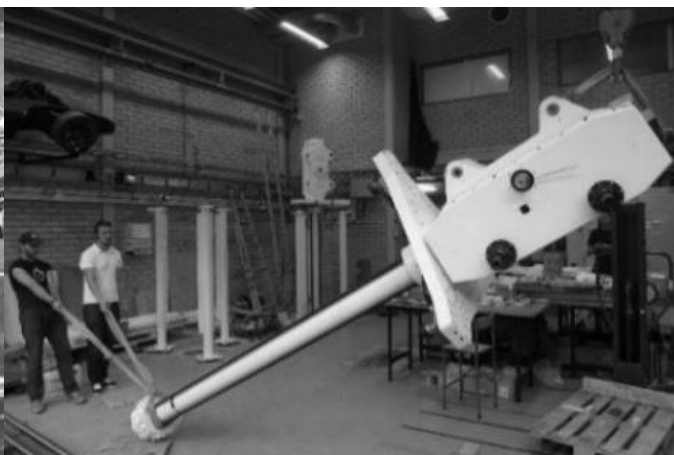
# STRUCTURED PRODUCT VERIFICATION



Product verification in 5 stages according to IEA-OES / Equimar best practice.



Scale 1:30



Scale 1:3



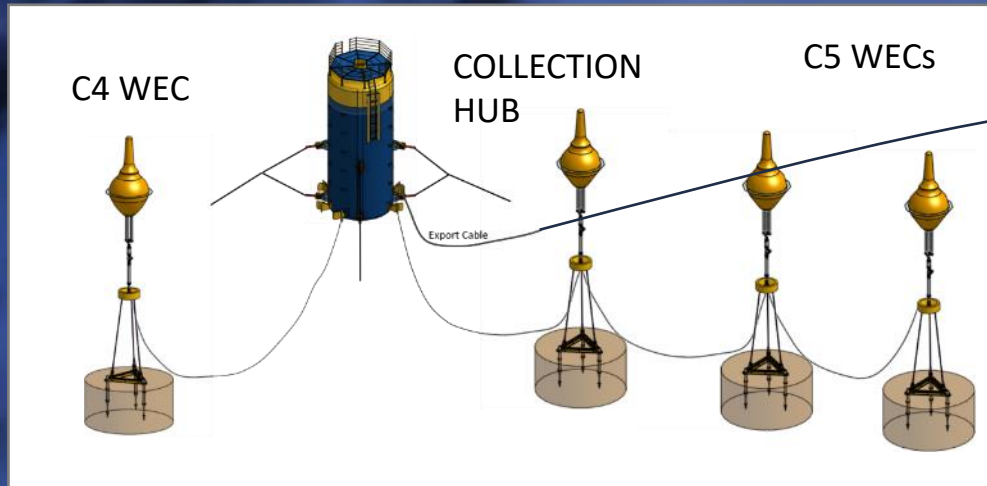
C3- Scale 1:2



C3 - Scale 1:2



# HIWAVE-5: ARRAY DEMONSTRATION @ AGUCADOURA





# PRODUCT: 10MW+ CLUSTERS





# TECHNO-ECONOMICS METRICS TRACKING PERFORMANCE TO PLAN

## IEA-OES: [Evaluation and Guidance Framework for Ocean Energy Technology](#)



# PRODUCT ROADMAP


























## Product roadmap

Based on LCoE Model v1.32

		Year	2021	2023	2026	2027	2028	2029	2030	2032	2035	2040	2045	2050
		Generation	G1	G3	G5	G8	G9	G11	G12	G13	G14	G15	G16	G17
		Device name	C4	C5	C6	C8	C9	C11	C12	C13	C14	C15	C16	C17
YIELD	Availability	%	65	82	88	90	90,8	92,2	93	94	94,5	95	95	95
	Device rating	[kW]	300	300	350	350	350	380	400	400	400	440	440	440
	# units per MW	[#]	3,33	3,33	2,86	2,86	2,86	2,63	2,50	2,50	2,50	2,27	2,27	2,27
	Gross Capacity factor	%	41%	41%	43%	45%	46%	48%	62%	62%	62%	62%	62%	62%
	Capacity factor (losses & avail. subtracted)	%	25%	31%	34,8%	37%	38%	40,4%	53%	53%	53%	54%	54%	54%
	Net AEP per unit*	MWh	656	820	1066	1130	1165	1346	1840	1860	1870	2069	2069	2070
	Net AEP per MW installed capacity	MWh/MW	2187	2733	3047	3228	3330	3542	4600	4650	4676	4702	4703	4704
COST	Total CAPEX per MW	MEUR/MW	21	7,8	5,2	3,9	3,3	2,9	2,8	2,6	2,3	2,1	1,9	1,8
	O&M-cost (per year and MW)	kEUR/MW/y	1057	534	221	173	125	93	77	67	58	50	46	43
TIME	Asset life	Years	n/a	20	20	20	22	25	25	25	25	30	30	30
Installed capacity (cumulative)		[GW]	0,0003	0,0012	0,0048	0,04	0,08	0,3	0,6	1,2	2,5	5	10	20
Installed # devices (cumulative, approx)		[#]	1	4	18	114	224	830	1 598	3 134	6 206	11 791	22 962	45 304
Farm size (typical)		[MW]	0,3	1	5	15	30	90	200	400	700	1000	1500	1500
Units per Farm (typical)		[#]	1	4	15	43	86	237	500	1000	1750	2273	3410	3410
WACC (Weighted Average Cost of Capital)		[%]	n/a	10%	9%	7%	7%	6%	6%	5%	5%	5%	5%	5%
LCOE**		EUR/MWh	n/a	n/a	262	171	129	92	66	54	48	40	36	34


\* Rev 1.32

# DATA ROOM – COMMERCIAL & TECHNICAL DUE DILIGENCE


✓  Business Plan	
✓  Customer agreements	
✓  Financials	
✓  Grid balancing	
✓  IP portfolio	
✓  Product verification track record	  TDD1 C4 WEC final design report
✓  Project finance	✓  TDD2 Stage 1-3 product verification
✓  Project plan	  TDD3 Target Metrics HiWave-5
✓  Scientific background	  TDD4 Certification plan for prototype certificate
✓  Valuation analysis	  TDD5 C4 PTO sub-systems test report
✓  CorPower - intro deck - Mar2021_i	✓  TDD6 Scaled deployment experience in EMEC
✓  CPO Executive summary - July 2020	
✓  Document index Författare: Patrik Moller	




# LEGAL DUE DILIGENCE – DATA ROOM EXAMPLE

- ✓  1. Corporate Documents


---

- ☁  2. Accounting Documents & Financial Arrangements


---

- ☁  3. Employees and consultants


---

- ✓  4. Relevant agreements and Commitments


---

- ✓  5. Permits from Authorities


---

- ✓  6. Intellectual Properties


---

- ✓  7. IT and Database Matters


---

- ✓  8. Insurance, Health & Safety and Environment


---

- ✓  9. Litigation and Disputes

---

- ✓  10. Legal Supplement Feb 2021

---

- ✓  CorPower DD Register Apr 2021  
Författare: Theres Wolgast

# THIRD PARTY CERTIFICATION - FOR WARRANTY PROVISIONS

The Stage 4-5 program has been designed to **deliver a bankable product**.  
For this the C5 machines will be certified over at least 8000 hours of operation.

- Prototype certification of C4 WEC (Stage 4)
- Type certification of C5 WECs (Stage 5)
- Power performance statement - IEC TS 62600 (Stage 4 & Stage 5)
- Availability / Machinery breakdown statement (Stage 5)
- Instrumentation, data & uncertainty statement (Stage 4 & 5)
- Post ocean deployment inspection statement (Stage 4 & 5)
- Design load statement – measured vs predicted (Stage 4 & 5)



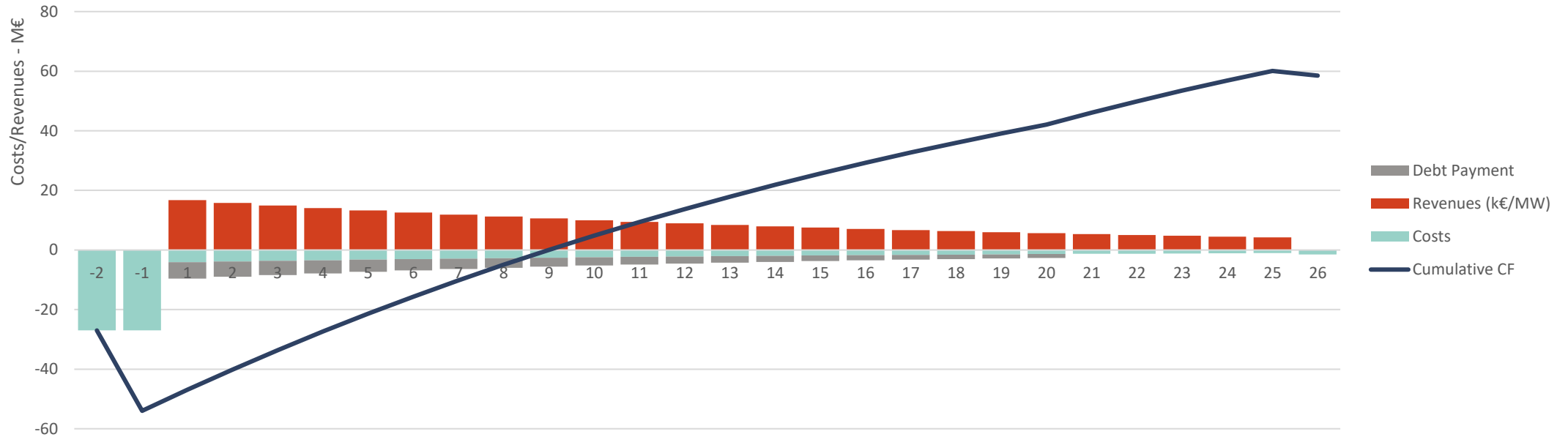
Certification and performance assessment:





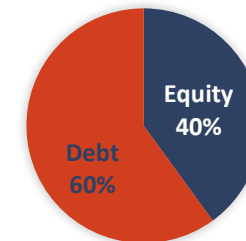
# PROJECT FINANCE EXAMPLE: 50 MW– 100 EUR / MWH FIT

Costs, Revenue and Discounted Cash Flow (with finance cost)



	Project	Equity	
<b>Total Costs</b>	209 257	170 321	k€
<b>Total Electricity</b>	2 351 934	1 889 969	MWh
<b>Total Revenue</b>	290 876	228 882	k€
<b>Cost of Energy</b>	88,97	90,12	€/MWh
<b>NPV</b>	81 619	58 560	k€
<b>IRR</b>	9,2%	14,1%	%
<b>Payback time</b>	13	9	years

FINANCING BREAKDOWN



# WESTERN STAR – SIMPLY BLUE ENERGY



[Home](#)

[Floating Offshore Wind](#)

[Wave Energy Conversion](#)

[Community](#)

[FAQs](#)

[Supply Chain](#)

[Contact](#)

Simply Blue Energy's Western Star

# Creating a clean, sustainable future for everyone

[Scroll to Discover](#)



30 MW

Capacity phased  
demonstration development



4km

Coastal Distance





THANK YOU



Patrik Möller, CEO  
+46 701 772101  
[patrik@corpowersocean.com](mailto:patrik@corpowersocean.com)