MILLFIELD
TECHNOLOGY

Millfield Flow Converter: Local - Stable - Clean Energy

Revolutionary hydropower technology harnessing flowing water energy

Innovative solution for predictable, renewable electricity generation

www.MillfieldFlowConverter.com

Global Market Opportunity

3

Initial Target Markets

Germany, United Kingdom, France

200,000+

Kilometers of Rivers

Fast-flowing waterways worldwide

1130

Households Powered

Per single unit at 4m/sec flow

Country	Minimum flow speed (m/s)	Maximum flow speed (m/s)	Estimated kilometers of rivers with fast flow	Electricity price (before taxes)
Germany	**2.9 m/s**	**5.0 m/s**	**7,500 km**	**0.30 EUR/kWh**
United Kingdom	**4.0 m/s**	**6.0 m/s**	**4,000-5,000 km**	**0.42 EUR/kWh**
France	**3.5 m/s**	**5.5 m/s**	**25,000 km**	**0.20 EUR/kWh**
Norway	4.0 m/s	7.0 m/s	32,000 km	0.10 EUR/kWh
Sweden	3.0 m/s	6.0 m/s	16,000 km	0.12 EUR/kWh
Finland	2.5 m/s	5.0 m/s	3,000 km	0.14 EUR/kWh

Value Proposition

Lowest LCOE kWh Price

Superior efficiency with low installation and operating costs

Stable Energy Production

Independent of sun and wind conditions

Environmentally Friendly

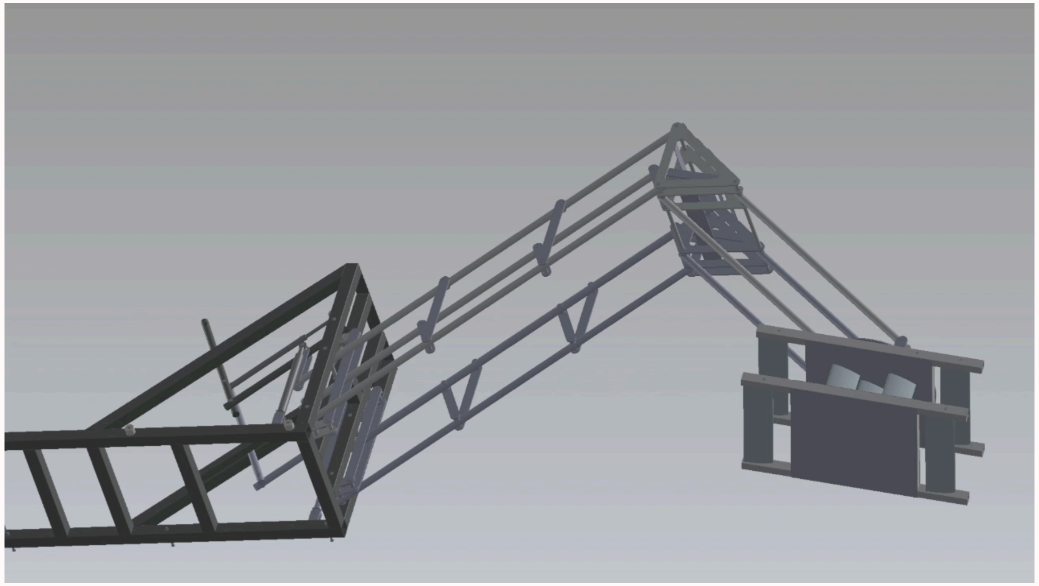
No impact on aquaculture or wildlife

Rapid Installation

Compact design deployable in just one day

[Patented technology (Click)]

Technology Demonstration

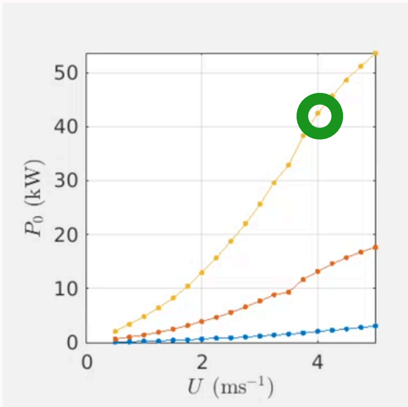


Watch Technology in Action < Click

See how the system captures flowing water energy

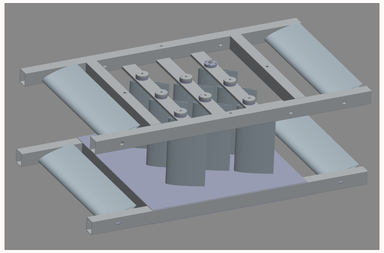
Observe Performance Data

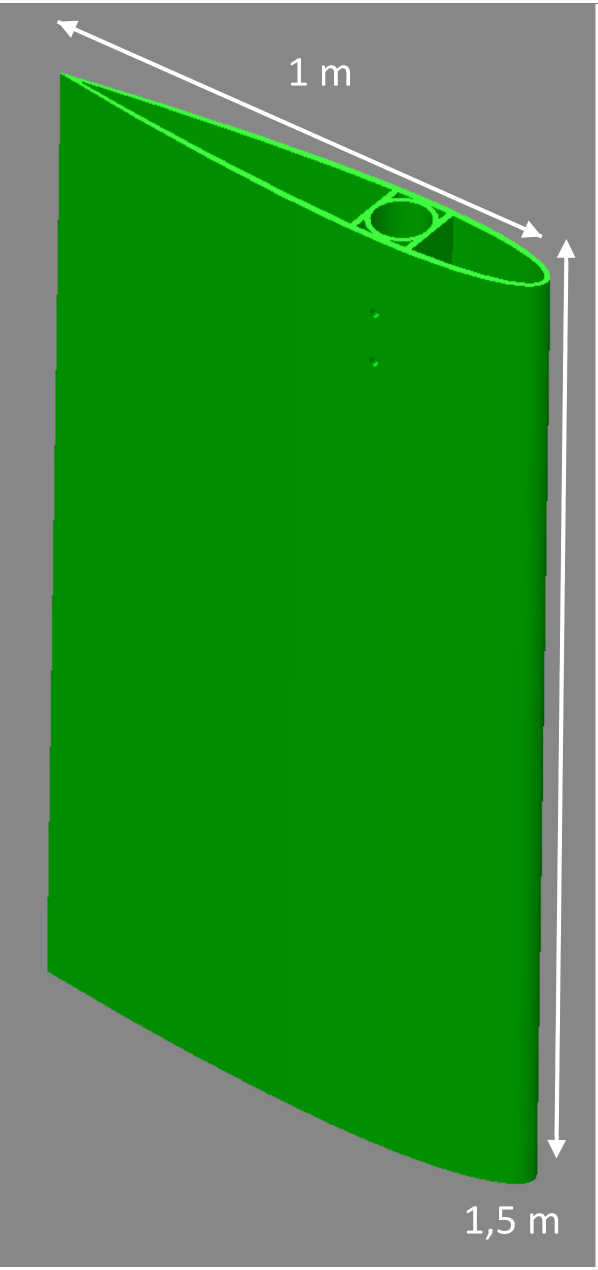
Verified efficiency metrics in real conditions



Understand the Mechanics

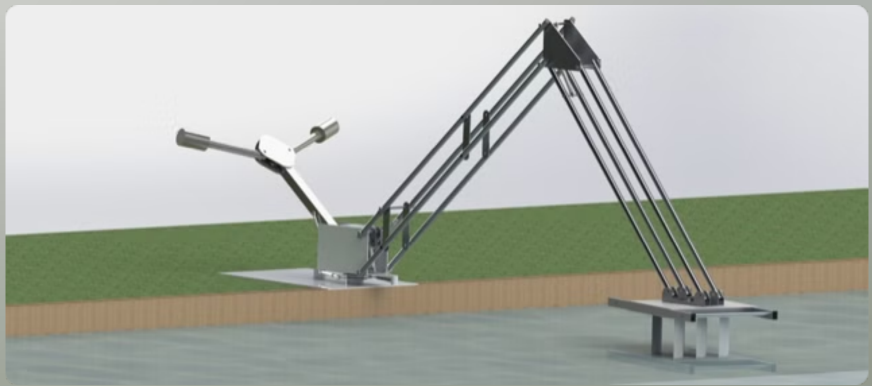
MFC operates like a crane, where the water current sets a wing module in motion, and through crane-like arms, this movement is transferred to a hydraulic system that powers a generator.





Proven Efficiency

Testing Authority	Technical University of Denmark (DTU) & Force Technology ApS
Wing Specifications	1m chord × 1,5 m length, Naca Profile 0015 (Total 24 meter)
Flow Rate	0,5 < 4 m/sec
Power Output	2 < 32 kW / Wing
Annual Energy Production	30 kW / 0,21 GWh. < 0,5 MW / 4,38 GWh. Powers 50 < 1130 households
Scaled Potential	4,38 GWh. yearly



Easily Maintained Technology

Bank Mounting

Secure positioning at river bank

Simple Maintenance

Easy access to all components

Collision Resistant

Robust design withstands debris

Modular Components

Quick replacement of parts

Portable & Circular Design

Transportable Solution

Relocatable to optimal flow sites

- Easily moved by standard equipment
- Minimal site preparation needed

Sustainable Materials

ISO14001 certified approach

- Recycled components prioritized
- End-of-life reclamation built in

Lightweight Design

Maximum 15 tons total weight

- 100 W/kg without anchoring
- 33 W/kg with anchoring

Product Solutions

Grid Applications

- Balanced, stable & predictable electricity
- Green energy to Power-to-X
- Electric vehicle charging stations

Microgrid Solutions

- Factory and housing power
- Agricultural applications
- Aquacultural applications
- Battery charging systems

Replacement Technology

- Oil, Coal and Natural Gas
- CO2-emitting diesel generators
- Dam-based hydropower turbines
- Unreliable intermittent sources (Solar Cells & Wind Mills)

Development Roadmap

Initial Funding: €400,000

Prototype production and testing

Proof of Concept

Real-life testing with pilot partner

Business Expansion: €2,000,000

Market-ready product development

Market Distribution

International partner network

Customers' Return of Investment

Annual yield at 0.5 MW: 4.38 GWh.

Average value in Germany: € 394,200

Potential annual CO2 certificate income

€ 287,328

Millfield Flow Converter Basic Model: € 335,000

Investment: **€402,145** / ROI: 4 months (based on configuration for 4 m/sec flow)

10-year revenue:

€ 3.539,855 + CO2 income € 2,873,280

Earning per produced GWh:

€ 146,419

Not included:
Selling balanced electricity to grid can result in
50-100% higher revenue per kWh
compared to unbalanced electricity,
depending on market dynamics and imbalance risks.

Prices are exclusive installation and service

Configuring to Local Flow Conditions

A: Sale or B: own consumption of 0,5 MW with Millfield Flow Converter (MFC)

Average Flowspeed	GWh Yearly	Amount of MFC´s	Over Capacity	Investment	CO_2	Value in CO_2 Certificates (10 Years)	Average Price KWh (10 Years)	A: Spot Benchmarks Value (10 years) (31/3-2025) Germany	A: ROI	A: ROI months	B: Saving Value (10 years) (31/3-2025) Germany	B: ROI	B: ROI months
4	4,9	1	12 %	402.145 €	☐	0 €	0,008 €	3.746.083 €	832 %	12,9	12.144.163	2.920 %	4,0
3,5	4,6	1	4 %	469.169 €	☐	0 €	0,010 €	3.484.728 €	643 %	16,2	11.296.896	2.308 %	5,0
3	5,6	2	27 %	804.290 €	☐	0 €	0,014 €	4.268.792 €	431 %	22,6	13.838.698	1.621 %	7,0
2,5	5,2	2	18 %	938.338 €	☐	0 €	0,018 €	3.967.229 €	323 %	28,4	12.861.082	1.271 %	8,8
2	4,4	3	1 %	1.206.434 €	☐	0 €	0,027 €	3.397.610 €	182 %	42,6	11.014.474	813 %	13,1
1,5	4,5	4	2 %	1.876.676 €	☐	0 €	0,042 €	3.431.117 €	83 %	65,6	11.123.098	493 %	20,2
1	4,9	7	12 %	3.284.182 €	☐	0 €	0,067 €	3.752.784 €	14 %	105,0	12.165.888	270 %	32,4
0,5	4,6	13	4 %	6.099.196 €	☐	0 €	0,134 €	3.484.728 €	-43 %	210,0	11.296.896	85 %	64,8

Potential annual CO_2 certificate income

Average Flowspeed	GWh Yearly	Amount of MFC´s	Over Capacity	Investment	CO_2	Value in CO_2 Certificates (10 Years)	Average Price KWh (10 Years)	A: Spot Benchmarks Value (10 years) (31/3-2025) Germany	A: ROI	A: ROI months	B: Saving Value (10 years) (31/3-2025) Germany	B: ROI	B: ROI months
4	4,9	1	12 %	402.145 €	☑	2.873.280 €	-0,050 €	3.746.083 €	1.546 %	7,3	12.144.163	3.634 %	3,2
3,5	4,6	1	4 %	469.169 €	☑	2.873.280 €	-0,053 €	3.484.728 €	1.255 %	8,9	11.296.896	2.920 %	4,0
3	5,6	2	27 %	804.290 €	☑	2.873.280 €	-0,037 €	4.268.792 €	788 %	13,5	13.838.698	1.978 %	5,8
2,5	5,2	2	18 %	938.338 €	☑	2.873.280 €	-0,037 €	3.967.229 €	629 %	16,5	12.861.082	1.577 %	7,2
2	4,4	3	1 %	1.206.434 €	☑	2.873.280 €	-0,038 €	3.397.610 €	420 %	23,1	11.014.474	1.051 %	10,4
1,5	4,5	4	2 %	1.876.676 €	☑	2.873.280 €	-0,022 €	3.431.117 €	236 %	35,7	11.123.098	646 %	16,1
1	4,9	7	12 %	3.284.182 €	☑	2.873.280 €	0,008 €	3.752.784 €	102 %	59,5	12.165.888	358 %	26,2
0,5	4,6	13	4 %	6.099.196 €	☑	2.873.280 €	0,071 €	3.484.728 €	4 %	115,1	11.296.896	132 %	51,7

Millfield Flow Converter

a product for a global energy market under pressure

In Million	Energy market in total MW	Expected increase	MFC Solutions MW	Market share in %	Amount in Million	Accumulated revenue in Mio	Accumulated Groos Profit in Mio	Amount MFC
Year 1	25.500.000.000		50	0,0000002 %	29 €	29 €	23 €	71
Year 2	26.035.500.000	300 %	150	0,0000005 %	86 €	114 €	91 €	214
Year 3	26.582.245.500	300 %	450	0,0000015 %	257 €	371 €	297 €	643
Year 4	27.140.472.656	250 %	1.125	0,0000039 %	643 €	1.014 €	811 €	1.607
Year 5	27.710.422.581	250 %	2.813	0,0000097 %	1.607 €	2.621 €	2.097 €	4.018
Year 6	28.292.341.455	225 %	6.328	0,000022 %	3.616 €	6.237 €	4.990 €	9.040
Year 7	28.886.480.626	200 %	12.656	0,000047 %	7.232 €	13.470 €	10.776 €	18.080
Year 8	29.493.096.719	175 %	22.148	0,000090 %	12.656 €	26.126 €	20.901 €	31.641
Year 9	30.112.451.750	150 %	33.223	0,00015 %	18.984 €	45.110 €	36.088 €	47.461
Year 10	30.744.813.237	150 %	49.834	0,00025 %	28.477 €	73.587 €	58.869 €	71.191

In a world under pressure from war, climate change, population growth and energy insecurity, Millfield Flow Converter delivers fast, stable and clean electricity — anywhere.

With installation in just one day and no need for massive grid investment, MFC meets urgent needs - from rebuilding energy infrastructure in Ukraine to preventing migration in fragile regions.

Board of Directors

Michael Mølhede

CEO/Founder/Inventor

Product development expert

Kristoffer Nilaus Tarp

Chairman/Advisor

Sustainable finance expert
(Head of Investor Relations (VP) at
Impact Fund Denmark (formerly IFU)

Per Rieland

Board Member/Advisor/Owner

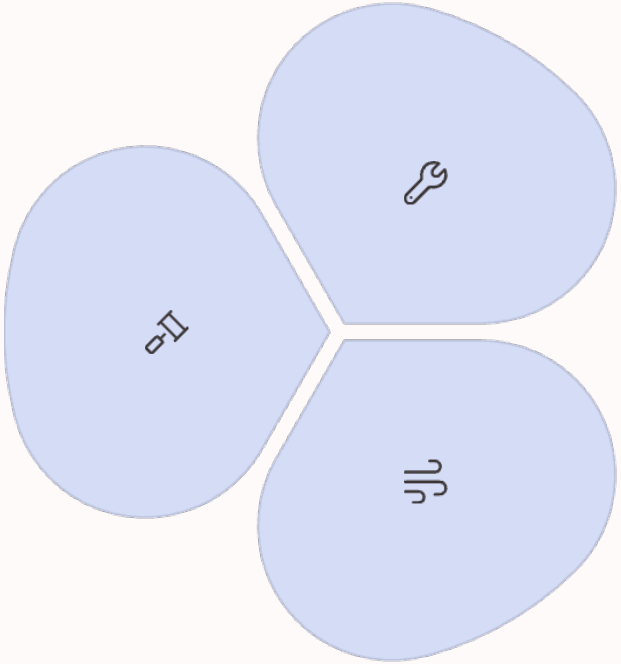
Electrical engineer/Entrepreneur

Advisory Board

Henrik Norsk Hoffmann

Partner at Nordic Legal

International distribution expert



Kristoffer Lund

Chief Operating Officer

Globaq Solutions

Hydrogen and Aqua technology specialist

(Former Technical Director)

Allan Krogh Erlandsen

VP at KK Wind Solutions

Product management expert

Ownership structure varies by investment option:

Pre-investment: CEO holds 60.68% majority interest

Post-investment options maintain majority control

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