



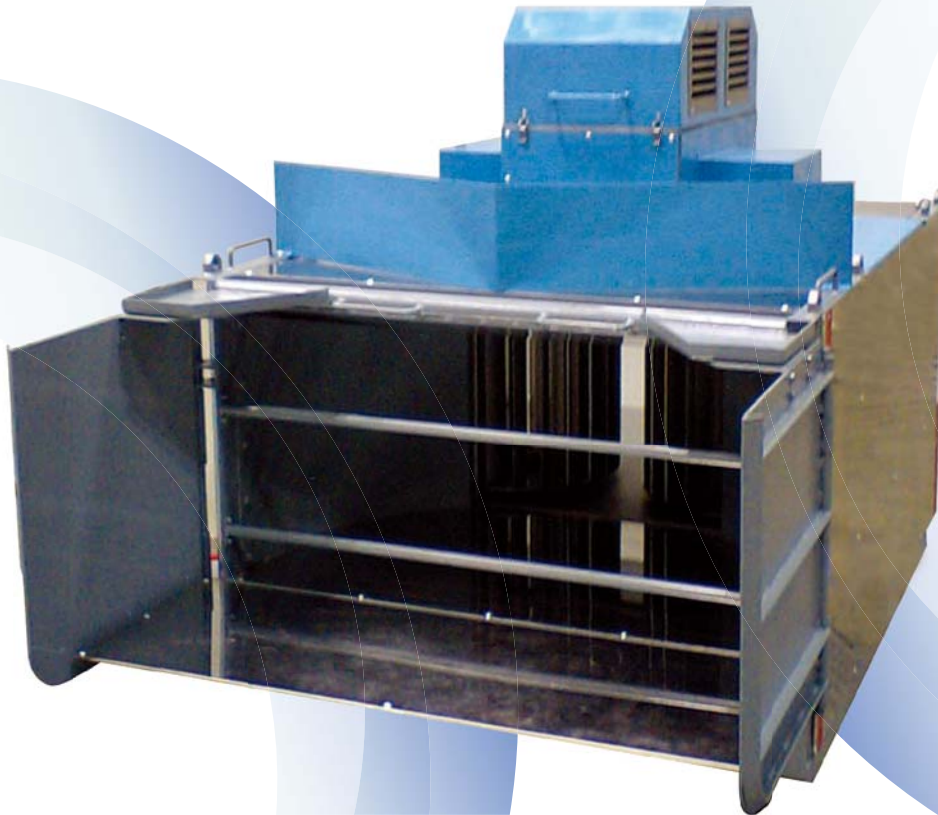
SEABELL INTERNATIONAL CO., LTD.

STREAM

HYDROKINETIC POWER GENERATION SYSTEM

Patent No. 4022244 (Japan)

Completing PCT application (International) PCT/JP 2008/056763



- ▶ Unique design channels and accelerates current without head drop
- ▶ Twin Turbines and Accelerating Gears maximize current velocity
- ▶ Standard Models from less than 1KW to 10 KW capacity
- ▶ Custom Engineered Solutions from 20 KW to MW capacity

EFFICIENT, RUGGED, FLEXIBLE



Power Plants



Water Treatment Plants



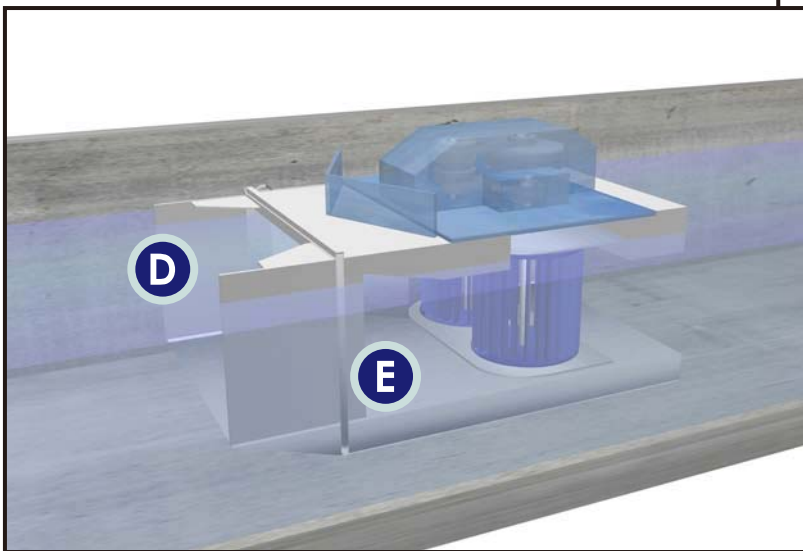
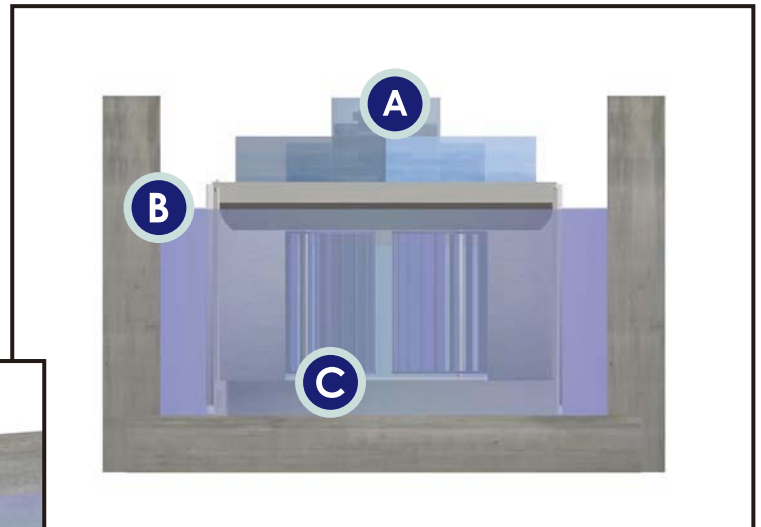
Irrigation Canals



Off-Grid Development

STREAM TECHNOLOGY FEATURES

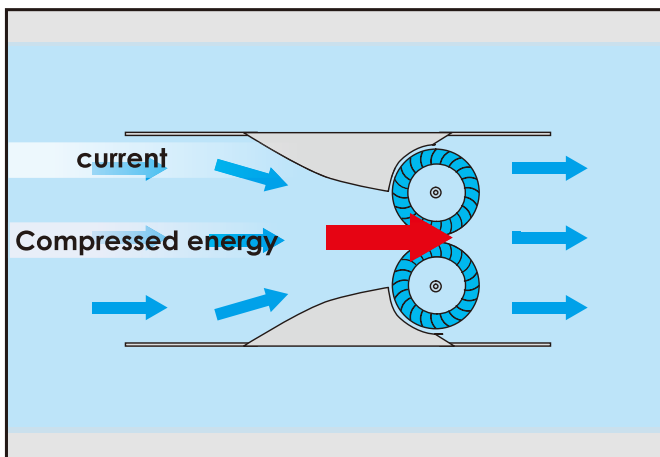
- A** Generator mounted above water reduces maintenance
- B** Surface placement for shallow draft and swiftest currents
- C** Highly Efficient Dual Axis Turbines and Accelerating gears



- D** Modulating and Rectifying Plates reduce turbulence...



INLET view



- E** ...and increase speed and water mass to turbines without impoundment



OUTLET view

- F** STREAM Units are designed for both floating and fixed installation



STREAM PRODUCT SPECIFICATIONS*

*specifications may change according to installation requirements.

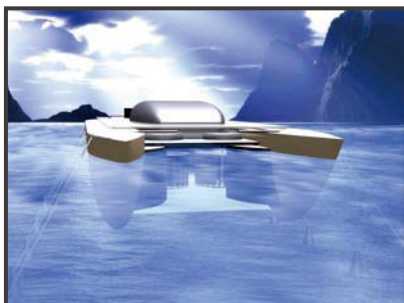
STREAM technology is manufactured in 4 Standard Models.
Seabell International will also custom design and manufacture to any site conditions

Standard models	1kw model	2KW model	6KW model	10KW model
Generator output (Rated)	1KW	2KW	6KW	10KW
Expected output	0.5 - 1KW	1.5 - 2KW	3 - 6KW	7-10KW
Size (Standard)	W1.2m x L1.6m x H 0.82m	W1.5m x L1.3m x H1.05m	W2.0m x L1.8m x H 1.4m	W2.4m x L2.0m x H 2.0m
Weight (Standard)	300kg	600kg	2,600kg	3,200kg
Related velocity (projected)	1.20 - 2.00m/sec	1.20 - 2.00m/sec	1.20 - 2.00m/sec	1.20 - 2.00m/sec
Velocity (guide)	0.6 - 4.0m/sec	0.6 - 4.0m/sec	0.6 - 4.0m/sec	0.6 - 4.0m/sec
Volume (guide)	0.3 - 0.7m ³ /sec	0.5 - 1.0m ³ /sec	1.5 - 2.5m ³ /sec	1.5 - 3.0m ³ /sec
Projected annual generation amount	4 - 7MW	13 - 15MW	36 - 47MW	61 - 78MW

- ▶ 0.5 to 10 KW Standardize Models: Floating and Fixed Installation
- ▶ 20 KW to MW Class: Site Specific Design and Construction



STREAM Unit installed in agricultural waterway, Tsuru City Yamanashi Prefecture



At Left: Example of Custom installation



At Right: STREAM units in multiple array



CORPORATE OVERVIEW

- ▶ 20 years consulting and engineering, specializing in Hydraulic Engineering
- ▶ Research and Development of Renewable Energy Technologies
- ▶ Consulting and Development of small Hydropower Systems



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ENVIRONMENTAL ENGINEERING PRODUCTS:



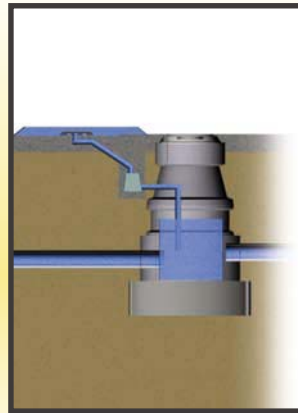
SAUCER

Micro hydropower Turbine



SLUICE

Micro hydropower Turbine Sluice Gate



UHI

Urban Heat Island heat reduction system



WING

Vertical axis wind turbine

CORPORATE PROFILE

Corporate Name	Seabell International Co., LTD.
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Established	2004
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