# fluence\*

Annual General Meeting Presentation
May 2022

Sustainable Decentralized Water Solutions

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2021 consolidated financial figures are presented on IFRS-basis and are audited. 2022 financial figures are unaudited.



# **Important Team Additions**



### **Tom Pokorsky, CEO and Managing Director**

- Proven water industry executive with 35 years of executive experience, including 15 years as CEO
- Strong track record growing water businesses organically and inorganically, including multiple successful exits achieving returns of 5–10x
- Highly experienced in wastewater treatment in the North American market with significant experience in Europe, China and Israel.



### **Rick Cisterna, Chief Strategy Officer**

- Over 30 years of executive leadership and business development experience in the water and wastewater markets
- Led development of over US\$1 billion of projects for municipal, industrial, and commercial clients - over \$100M in recurring revenue projects.



### Doug Brown, Strategic Advisor to the Board

- Globally recognized senior executive has led two successful US\$1 billion+ exits in water
- Founder, Chairman and CEO of AquaVenture Holdings he listed on NYSE in 2016 and sold to Culligan Water for US\$1.1 billion in 2020
- CEO of Ionics, Inc., also NYSE listed, acquired by GE Water for US\$1.3 billion in 2005
- Previously CEO of Advent International, a global private equity firm
- Global experience and focused on building recurring revenues businesses



# Fluence: Time To Take Our Asia Success Global

With two EBITDA positive years and continued strong adoption of our unique MABR wastewater treatment solutions, we have now entered the phase of strong, profitable growth

Significant traction for Smart Product Solutions (SPS) ex-China diversifies revenue growth, strengthening our move away from lower margin activities

Substantial legacy references throughout the Americas, strong additions to team and improved supply chain all accelerate growth of recurring revenue and SPS sales

Now setting strategy to enter Australia and additional SE Asia markets



# Fluence: Disrupting Global Water Infrastructure

### **OUR MISSION**

- We make the world a better place by delivering sustainable water treatment solutions that produce high quality water, while saving energy and improving resilience
- We are committed to becoming the global leader in decentralized water and wastewater treatment solutions



An undeniable market & growing opportunity...

# \$650 Billion Global Water Market

### \$150 Billion

Addressable Wastewater Market

### \$118 Billion

Addressable Water Treatment Market

### ... and growing ...

### 9.7 billion

estimated global population by 2050

# Aging water infrastructure

**75%** 

of population facing water shortages

Annual CO<sub>2</sub> reduction by up to 150MM tons

### 80%

wastewater released without treatment

**Decentralizing** infrastructure

### ...captured by the leading player in the space

Pure-play water treatment company

**Proprietary technology** 

Deployed fast and easily – just-in-time infrastructure

Lowest Total Cost of Ownership

350+ plants sold

High Growth, Profitable

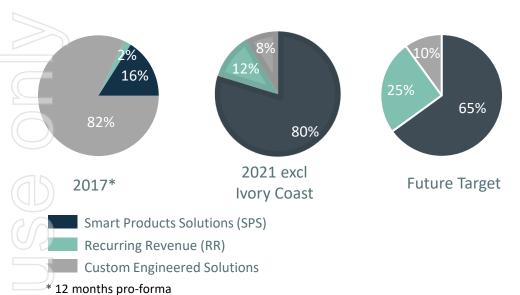




# Fluence: Fast To Deploy, Profitable Water Solutions



### Revenue Mix Has Shifted To SPS ex-Ivory Coast



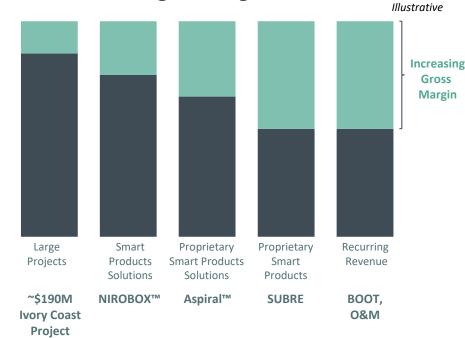
# Strategic Focus



Timely execution of Ivory Coast project

Improve operating efficiencies

### **Transition To Higher Margin Revenue**



- ✓ Only global, pure play water and wastewater treatment company delivering standardized solutions to a growing, global, decentralised market
- ✓ Fast to deploy, lower cost, lower risk way to meet tightening regulatory standards
- Maximize profitable growth by targeting highest growth markets
- Strong team and balance sheet

Examples:

# Q4 and FY2021 Highlights

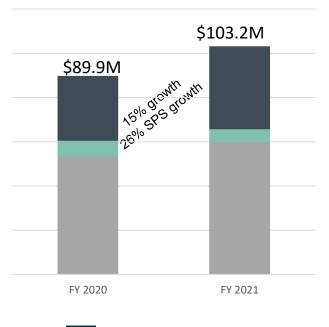
All numbers are subject to audit

- Strong revenue growth and backlog in Smart Product Solutions (SPS)
  - 2<sup>nd</sup> year in a row of positive underlying EBITDA, meeting guidance.
  - Q4 2021 revenues<sup>1</sup> of \$43.5M up 117% on Q3 2021 and 113% on Q4 2020
  - FY2021 revenue<sup>1</sup> of \$103.2M up 15% over FY2020
  - FY 2021 SPS revenues \$39.6M (including Italy) **up 23%** from FY 2020; underlying **EBITDA<sup>2</sup> positive** \$1.0M in FY2021
  - SPS backlog entering FY2022 up 65% versus FY2021
  - MABR sold capacity increased 56% 313 plants sold to date serving ~1M people
  - MABR capacity sold ex-China greater than in-China for first time
  - 8 Nirobox units sold in FY2021, up from only 1 in FY2020
  - Cost Out Improvement full year operating expenses down 8% on FY2020.
  - Cashflow positive \$5.2M in Q4 2021 and negative \$4.8M for FY2021
  - Net Cash Position \$41.4M + \$23.0M in short and long-term liquid investments.



<sup>&</sup>lt;sup>2</sup> Underlying EBITDA = Statutory EBITDA excluding one-off items

### Revenue Growth<sup>1</sup>





Recurring Revenue (RR)

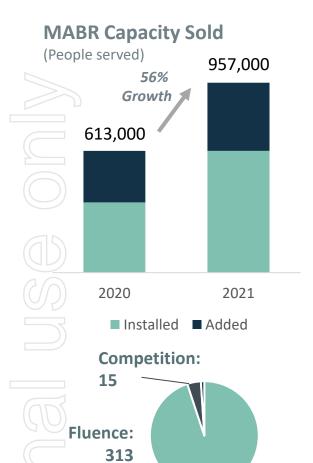
Custom Engineered Solutions

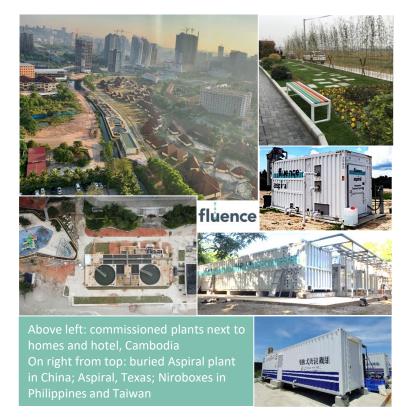


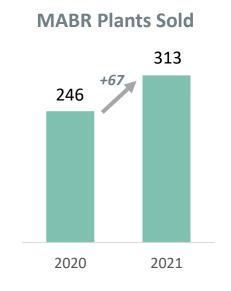
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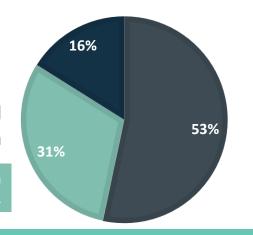
# **2021: Strong Growth in Sales of MABR Capacity**

All numbers are audited









■ China ■ SE Asia ■ Rest of World

MABR Capacity Sold
To Date By Region

Ex-China Sales Passed in-China in 2021

Fluence has 95% MABR market share by plant count

ience™

# Q1 2022 Highlights

All numbers are unaudited and refer to continuing operations



SPS revenues: \$7.3M - Up 78% on Q1 2021

Nearly 90% of Q1 SPS revenues from outside China

CES revenues: \$25.3M - Up 141% on Q1 2021, (Ivory Coast)

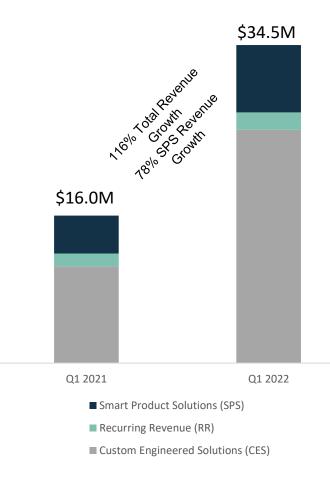
Have now sold 319 MABR plants serving over one million people

**Cost Efficiency Improvement** – Q1 2022 fixed expenses of 19% of revenues versus 40% in Q1 2021

Contracted backlog: \$99.3M - \$75M due to become revenue in 2022

Cash Balance of \$31.1M down from \$41.4M at end of 2021 but up from \$14.9M at the end of Q1 2021 as expected

### **Revenue Growth**





# FY 2022 Guidance



All numbers are unaudited and refer to continuing operations

- Full year revenue outlook is \$144M, up 40% from \$103.2M in FY2021
- \$109.4M or 76% of revenue outlook covered by backlog plus Q1 revenues
- SPS revenues continue to be forecast at \$45M, up 22% from \$36.9M in FY2021
- Full year underlying EBITDA<sup>1</sup> continues to be forecast at \$3M, up from \$1M in FY2021

# **Case Study: Aspiral Plants Installed in China**

### China leadership in wastewater treatment decentralization



Aspiral Micro treats home cluster, Liaoning province



Aspiral S1 near homes, Hefei, Anhui province



Buried Aspiral plant, Hangzhou, Zhejiang province



Highway rest stop Aspiral L4 plant, Xiaogian, Hubei province



Rural Aspiral plant, Luoyang, Henan province



Control console manages remote, automated plants



4 Aspiral L4's, Xie Lin Gang, Hunan province

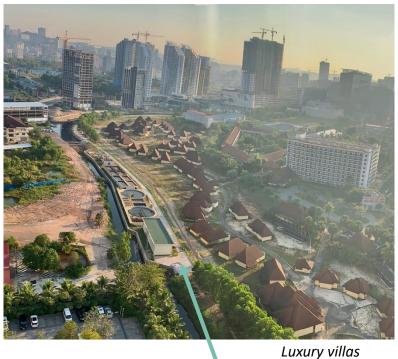


# Case Study: SUBRE Plants in Sihanoukville, Cambodia

Country's first biological wastewater treatment plants support 260,000 people: includes world's largest MABR plant



Operating MABR plant Capacity: **40K people** 



Operating MABR plant Capacity: **60K people** 



Design for world's largest MABR plant Capacity: **160K people** 

Quiet Odor-Free Operation Enables Plant Location Near People

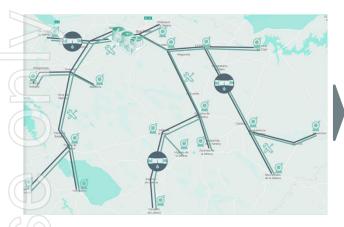


# **Advantages of Decentralized Water & Wastewater Solutions**

Decentralized wastewater treatment is the most cost-effective, energy-efficient, sustainable solution

### **Centralized Systems**







### Decentralized advantages:

- Decentralized saves 90% of piping capex, doubles treatment capacity per \$
- Local source of recycled water: an MABR treatment plant for 10,000 people
   costs less than 1 km of sewer or recycled water pipe
  - Fluence MABR enables decentralized wastewater treatment and reuse automated operation, near zero maintenance

Rural area with towns and villages with populations ranging 200 - 35,000 people

### **Decentralized Urban Water**



### **Decentralized advantages:**

- Decentralized in-building treatment bypasses decaying infrastructure
- Recycled water meets 95% of commercial building's water demand

Example: San Francisco mandates reuse;
New York has implemented reuse



# **Leading ESG Impact in Water Treatment**

### **Committed to UN SDGs**

- Fluence technologies are highly energy efficient (MABR, desalination) and lower CO<sub>2</sub> and other harmful contaminants
- Many wastewater treatment technologies emit Nitrous Oxide (N<sub>2</sub>O): 300x worse than CO<sub>2</sub> Fluence MABR emits nitrogen: **installed systems** currently save 314 tons/year of N<sub>2</sub>O emissions, equivalent to 93,600 tons of CO<sub>2</sub>
- ➤ A decentralized approach using Fluence MABR to solve the world's wastewater needs would result in increased access to clean water and wastewater → Potential annual energy savings of 2 TWh, equivalent to 150 million tons CO<sub>2</sub>
- Fluence is committed to ESG and delivers on 9 of the 17 UN SDGs



### **Sustainability Impact from Fluence's Installations**

### **MABR & NIROBOX**







### 32 GWh / year

in energy savings compared to conventional technologies Equivalent to 23,100 Tons CO<sub>2</sub>/ year



### Reuse



17Bn Liters Water Recycled / year

### Water



158Bn Liters
Drinking Water
Produced / year

### Wastewater



253Bn Liters Wastewater Treated / year

- ✓ MABR installations remove >2,100 tons of nutrient pollution/year
- √ Lowers Nitrous Oxide emissions by 314 tons/year

Source: EPA, research, Company analysis.

# GROWTH STRATEGY

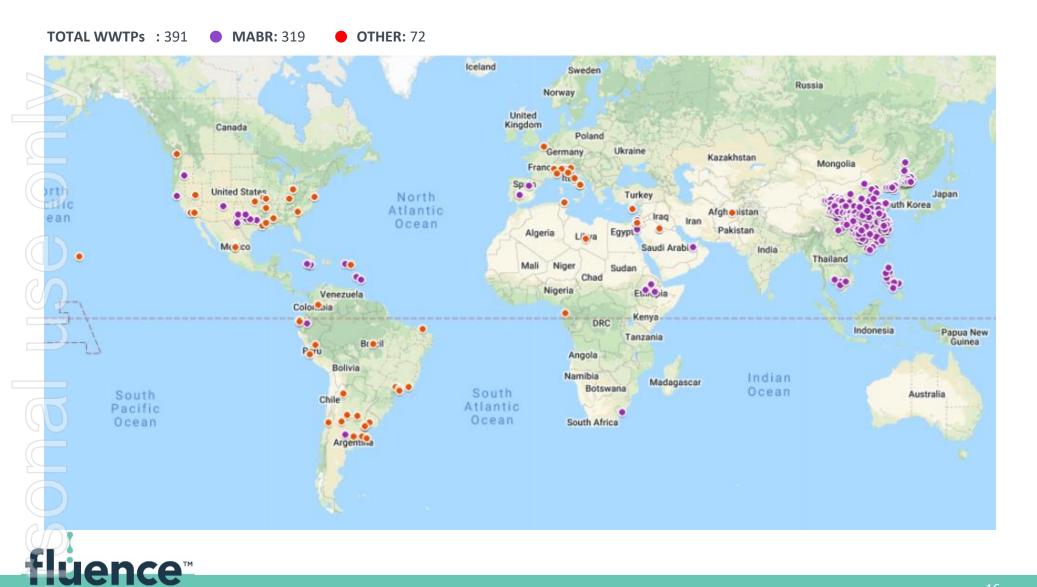




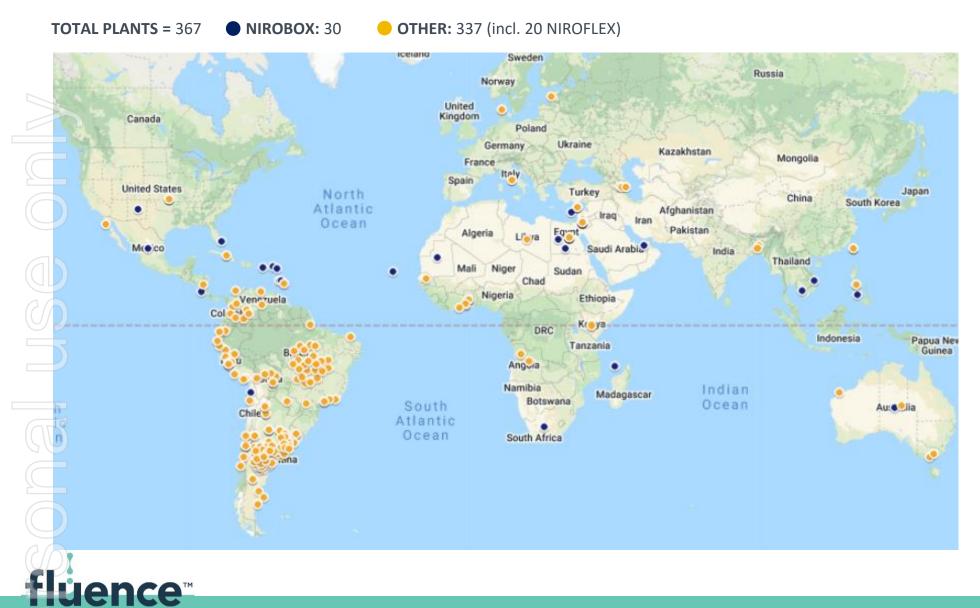




# **Substantial Global Wastewater Treatment Plant Footprint**



# **Substantial Global Water Treatment Plant Footprint**



# **Strategy Summary**

**Upgraded Team Well Positioned To Drive Growth** 

- MABR now highly proven to deliver top quality fast with lowest cost and energy use
- MABR serves widest market versus competition: from a cluster of homes to city scale
  - MABR uniquely enables fully decentralized systems due to minimal maintenance needs
  - NIROBOX and NIROFLEX widely proven
- Leverage all global references to attack the largest market opportunities with MABR and NIROBOX: Americas, Asia, Australia, and beyond
- Work with scale-up partners and reps to maximize efficiency of direct sales
- Maximize recurring revenue by all available means; selling water, O&M, parts and chemicals
  - Continue to **deliver strong revenue growth**, increased gross margin % and EBITDA %
  - Target product mix at least 90% SPS and recurring revenue by 2024 with double-digit EBITDA



# **Americas Strategy**

**Targeting US, Caribbean, Neighboring Countries** 

Strategy	Progress
Leverage existing references throughout Americas	50 water & wastewater plants in N America & ~300 in Latin America
Accelerate sales & maximize profit by delivering complete solutions	Aspiral & NIROBOX both selling in volume – SUBRE & more in process
Optimize supply chain, margins, and lead times	Argentina & US teams and US subcontractors engaged
Target off-grid, commercial/resort, municipal, government but avoid tenders	Numerous existing customers throughout region, SupplyCore in US
Partner with established players, leverage existing reps	2 existing partners in Caribbean, 40+ reps in US
Target areas needing nutrient removal, rewarding ESG	US states identified include W & E coast, Mississippi river states



# Rick Cisterna, Chief Strategy Officer

 30+ years' water industry management experience, \$1B in contracts, \$100M in recurring revenue



### Dario Perez, Head of North America Water Services

 30 years of sales, biz dev and operational experience



# **Recurring Revenue Strategy**

Now have team, experience and plant density to achieve this

	Source	Target	Geography	Existing Proof Points
Water wastev treatm service	water nent as a	Resorts & other commercial customers Private & off-grid systems	US, Caribbean Asia ex-China Australia, Middle East	Bahamas + strong pipeline in Caribbean
	tion and enance cts	All existing and new sales – \$30M ARR immediate opportunity	Everywhere we sell or have sold plants	China (Panjin contract)
	sales parts nemicals	Parts – all existing and new sales Chemicals – desal plants	Everywhere we sell or have sold plants	Latin America

Wastewater reuse with MABR can halve overall water costs & deliver 25%+ IRR due to much lower costs, energy use





Drinking Water Opex \$0.75 - \$1.00/m<sup>3</sup>





Irrigation Water Opex  $$0.04 - $0.10/m^3$ (competitors  $$0.20 - 0.40/m^3$ )



# **Asia Strategy**

### Build Current Base, Expand Into Selected New Geographies, Pursue Recurring Revenue

Geography	Current Status	Next Steps
China	<ul> <li>5YP drives huge investment in wastewater treatment and reuse</li> <li>Very strong relationships incl 5 volume partners</li> <li>Very strong pipeline of larger projects</li> <li>Well established team</li> <li>But severe Covid lockdowns freeze business</li> </ul>	Put more emphasis on ex- China Asia until lockdown situation changes
Cambodia, Philippines, Taiwan, Vietnam	<ul> <li>Have sold &amp; commissioned smaller and larger plants</li> <li>Excellent local partners</li> <li>Strong market tailwinds – regulations &amp; drought</li> </ul>	<ul> <li>Continue to service existing relationships</li> <li>Build teams locally or nearby</li> <li>Pursue recurring revenue projects where possible</li> </ul>
Australia, Indonesia, Malaysia, Thailand	<ul> <li>Clear local need for MABR and NIROBOX solutions</li> <li>Tightening regulations, drought</li> </ul>	<ul><li>Establish initial showcase plants</li><li>Seek the right local partner</li></ul>





Wong Jin Yong, Singapore-Based Head of China & Asia

- 26 years of sales, business development and operational experience
- 15 years in water and wastewater in China and Asia
- Built China and Asia business from zero



# **World Class Leadership Team**

### Key Management



**Tom Pokorsky,** CEO & Managing Director

- 35 years executive experience in water
- Multiple exits



**Francesco Fragasso** CFO

 20 years' finance experience in renewable energy and water treatment



**Tony Hargrave** COO

 Over 30 years' water industry management experience



Rick Cisterna CSO

Over 30 years' water industry management experience, \$1B in contracts, \$100M in recurring revenue



Wong Jin Yong CEO China & SE Asia

 30 years' water, industrial & IT experience



Spencer D. Smith CLO

- Over 15 years' corporate law and M&A experience
- Former GC of RWL
   Water



Karim Nasr GM Middle East • 20 years' water

industry

uence™

experience



Yaron Bar-Tal Head of R&D & GM

 28 years' water & technology R&D experience



Dario Perez
VP Water Services

 30 years water, industrial, technology sales & operations

### **Board of Directors**



Richard Irving Chairman

- Over 30 years' tech and venture capital experience
- \$3bn value created



Paul Donnelly Lead Independent Director

 Over 30 years' international financial services experience



Rengarajan Ramesh
Non-executive Director

- Former CTO of
   GE Water
- 30 years' operating, acquisition and tech experience



Samantha Tough Non-executive Director

 Over 20 years' executive and Board experience in industrial and commercial sectors



Ross Haghighat
Non-executive Director

- 30 years' tech and venture capital experience
- \$4bn value created



**Doug Brown** 

Strategic Advisor

- Founded and led water co thru \$1B+
- Led water co thru \$1B+ exit

Melanie Leydin
Company Secretary

Over 20 years' experience as Company Secretary



# **Strategic Rationale For Fluence**





**Proven, Proprietary & Advantaged Water Treatment Products** 



**High Growth, Large Addressable Global Market** 



**Leading ESG Impact in Water Treatment & Desalination** 



**Strong Market Penetration & Inflecting Demand From Partners** 



Achieving Strong, Profitable Growth in Compelling, Global Market



**World Class Leadership Team** 

### Thank You

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### About Fluence Corporation Limited (ASX: FLC)

Fluence is a leader in the decentralized water, wastewater and reuse treatment markets, with its pre-engineered, standardized Smart Products Solutions (SPS), including Aspiral™, NIROBOX™ and SUBRE. In addition to rapid delivery and commissioning of decentralized solutions to meet a broad range of needs, Fluence offers ongoing operation and maintenance support, as well as Build Own Operate Transfer (BOOT) and other recurring revenue solutions. Fluence has a broad international footprint and focuses on high growth markets including China, the Middle East, South East Asia, and North America.

Further information can be found at https://www.fluencecorp.com/

