Business Development & Growth

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INVESTOR DAY 2022



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Business Units

Stationary Power Systems

✓ Replace the Diesel Generator



Portable Power Systems

✓ Infrastructure, Surveillance, Defense



Mobility

- √ Trucks
- ✓ Aviation
- √ Marine



Electrolyzers

✓ Green Hydrogen Production



Business Unit

Stationary Power Systems

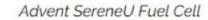
✓ Replace the Diesel Generator



Replace the Diesel Generator Now with Lower TCO

- Telecom Backup Power for Off-Grid/ Bad-Grid.
- Diesel Genset Replacement
- Combined Heat & Power (H2-powered buildings)







Advent SereneU System runs on green fuel

Diesel Genset Market

\$37bn/yr 2027*



Telecom Tower Backup Power

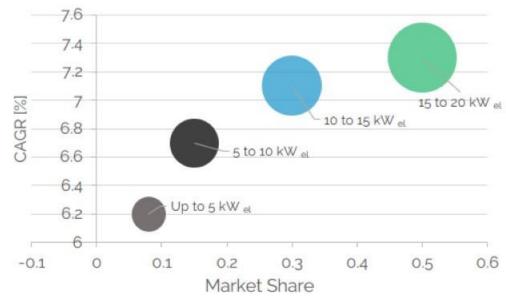
- 1.18 million towers globally need backup power
- Growth in number and power needs (due to 5G deployments)
- License to Operate: Government mandates & ESG agendas of Telecom companies expected to result in the replacement of diesel generators





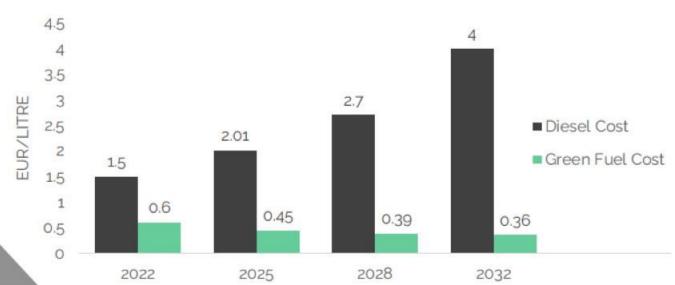






USP: "Any Fuel. Anywhere."

- Logistics: Serene can use biomethanol, e-methanol, biomethane, rNG, ammonia. "The fuels of tomorrow, today"
- Fuel Price: Diesel/eFuel price evolution favors Serene
- Quiet Power for Rooftops









Advent SereneU System runs on green fuel



Total Cost of Ownership: Fuel Cell vs Diesel Genset

Diesel Genset \$1.5/kWh

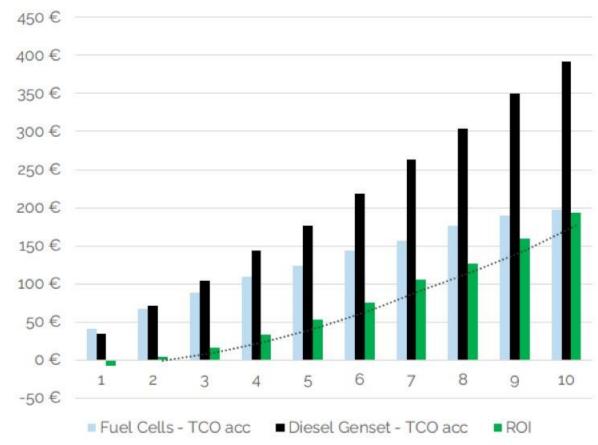
Advent 2024 \$0.9/kWh

Service
H2
Fuel
Capex

95%+ GHG reduction vs diesel with e-methanol



Cumulative Cost of Multiyear Deployment: (cost in 000s, 3.75kW, 10year operation, 24hrs/day)



Philippines Deployment

SERVICE AREAS

Sales POC, TCO

System Installation

Remote Monitoring

Repair & Maintenance

Fuel Supply

Fuel Delivery

Logistics & Warehouse

More than 30 engineers and technicians, experienced in installations and maintenance, ready to travel all over Asia.





Moving from Direct Sales & Service to Channel Partners



TOWERCOS

OEMs





Telcos



Germany, Indonesia, Philippines, Malaysia, Taiwan, Thailand, United States, Egypt, South Africa, Latam, Japan, India, China

CURRENT



~1,000 systems deployed

TARGET





2,000 new systems in the next 18 months

PIPELINE



17,000 towers

Massive Growth Opportunity





Opportunity

Direct Sales

5,000



20 kW



100MW

Revenue: \$1,000s/kW Gross Margin: lower CAPEX & OPEX: higher

Channel Partners

50,000



20 kW





1,000MW

Revenue: \$100s/kW Gross Margin: higher CAPEX & OPEX: lower



Business Unit

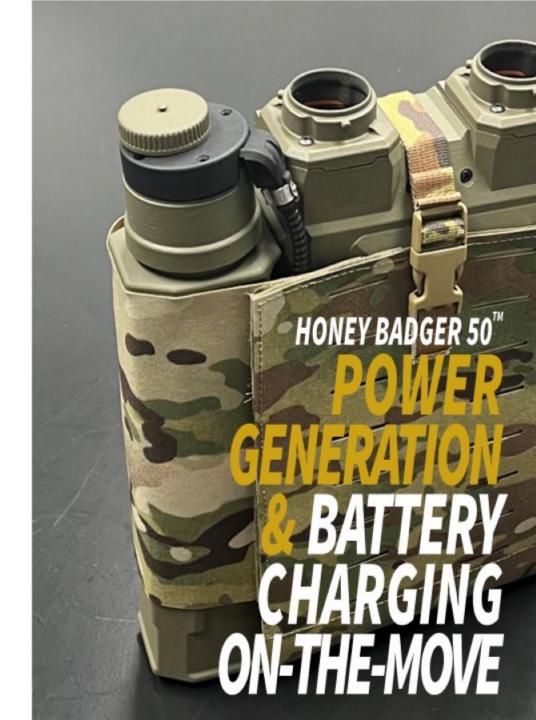
Portable Power Systems

✓ Human-portable, lightweight power for surveillance, critical infrastructure, and defense



Portable Power for Defense

- In development with US DoD funds with low-rate production starting next year and higher volumes expected in the future
- Has passed numerous military standard tests at Ft. Bragg NC and Ft. Benning GA
- Ability to operate On-the-Move and in extreme environments
- Potential strong demand in line with multibillion IVAS (Augmented Reality AR) US Army Program
- New Contract with PM-IVAS to fund product enhancements to meet evolved requirements
- Reduces weight vs batteries by 3x to 25x on missions.
- Designed for long-duration operations
- Windshield Washer fluid as fuel! = Simple Logistics





Remote Power for Critical Infrastructure

- The first application is focused on the Canadian Oil & Gas Market
- Partnership with Calscan, leader in the market
- System developed according to specs (operation at extreme environments)
- First units are expected to be tested and deployed in 2022 with strong demand expected (driven by regulation) in 2023-2024
- Power for Winter for Control Systems
- Significant reduction in O&G well site emissions (up to 40 Mt carbon dioxide per year)
- Fueled by methanol (widely available at wellheads)



From Defense to the Markets of the Future

Innovative Technology is initially supported by Defense budgets

\$10-20 mn

Development Funds 2020-2023 Bring Technology to other massive growth markets

- Drones
- Firefighting
- Agriculture
- Augmented Reality
- Surveillance
- Robotics



High-Margin and Uniquely
Differentiated Niche Markets

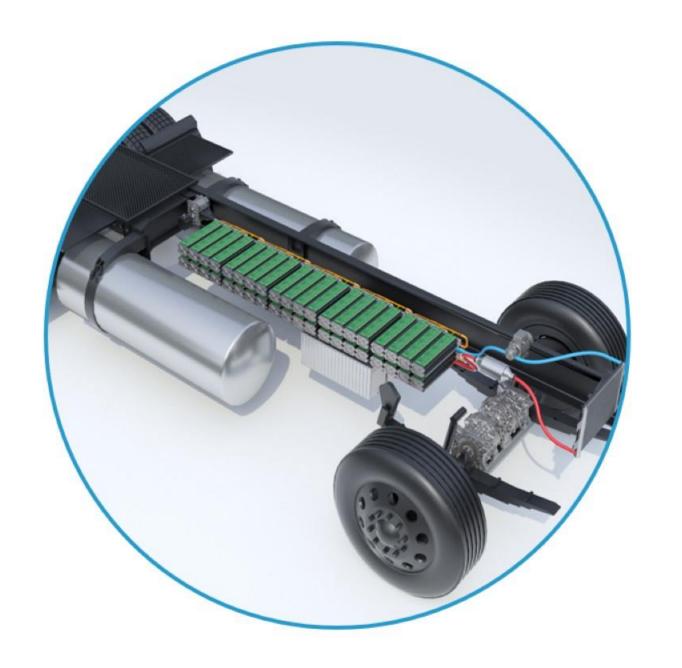
\$2 bn



Business Unit

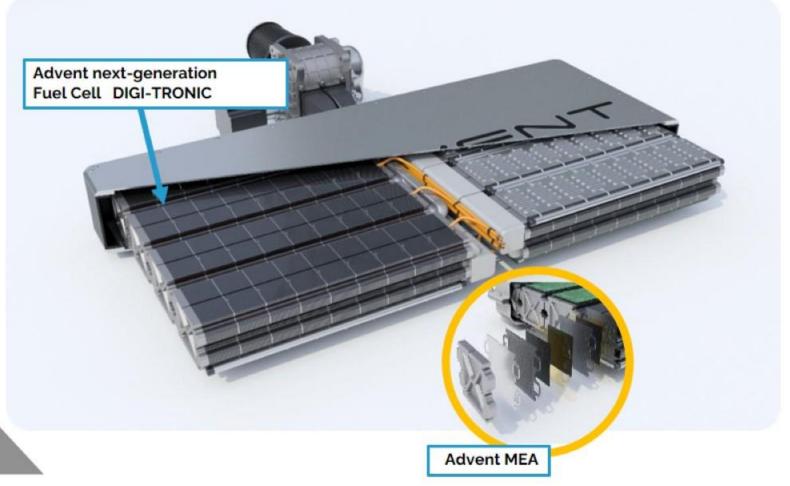
Mobility

✓ Next-Generation Fuel Cell Technology for Trucks, Aviation, and Marine



Mobility: Enabling Tier1s and OEMs

One Technology. Many Applications.





Market Feedback for HT-PEM

| | Power | Heat Rejection= Efficiency | Multifuel | Extreme Environments |
|---------------------|-------------|----------------------------------|-----------|-------------------------|
| Heavy-Duty Mobility | 100s of kWs | | | |
| Aviation | MWs | | | |
| Marine | MWs | | | |
| Locomotive | MWs | | | |

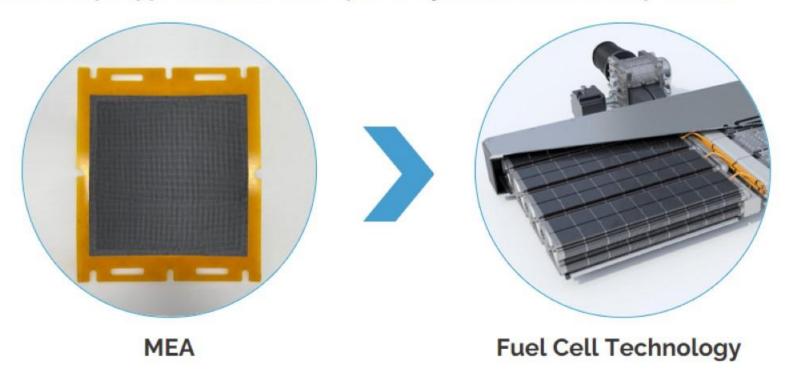
Convert Market Need to Strong Profitable Partnerships with Immediate Revenue for Development of Systems.

Progress to "License + MEA" business model

Advent has the Technology. Tier1s and OEMs need a System Ready for Mass Production

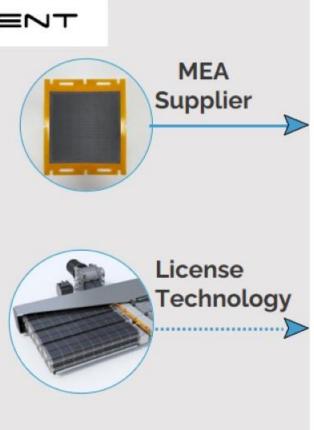
Advent develops core technology in-house.

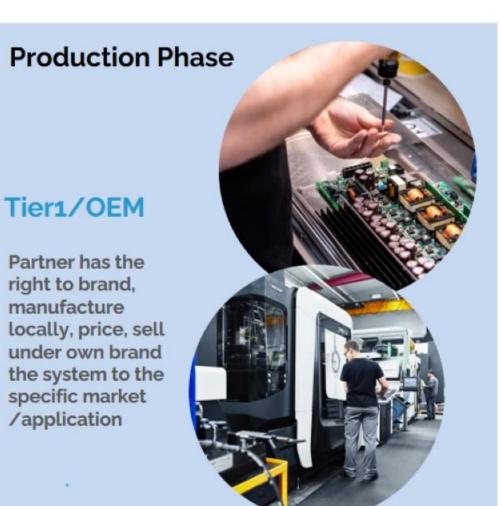
Advent develops application/market-specific system, certified for operation.



Joint Development Agreement -**Partnership Direction**

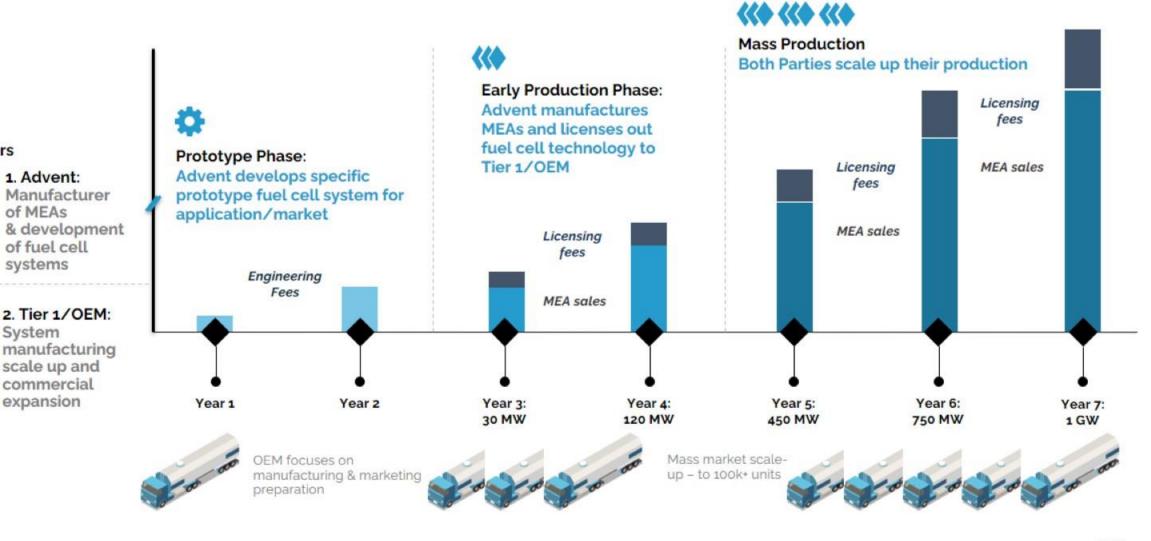






Partners

Advent Business Model in JDAs



Strategic Partnerships Progress

- Hyundai Technology Assessment
- 2. Other Top Automaker Technology Assessment
- In discussions with many world-leading conglomerates across Automotive, Aviation, and Marine









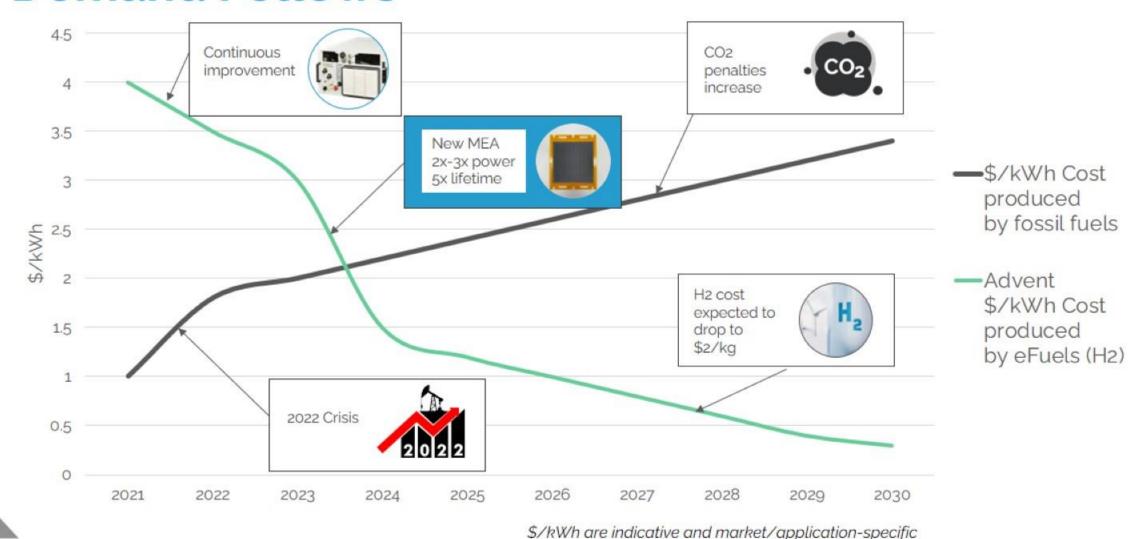


Growth Strategy

Advent is an innovation and enabler company that brings HT-PEM technology to the mass market through strategic partnerships with world leaders in the mobility and powergeneration markets.

The company will invest in innovation and manufacturing in the areas of MEAs and Fuel Cell Technology where it can achieve high differentiation and market impact.

Innovation & Investment Drops Cost Demand Follows





- Senior VPs (from fuel cell industry) for Strategic OEM and JDA deal focus
- Dedicated Salesforce for Serene Telecom Stationary Systems and Portable Systems
- Focus on strategic partnerships vs direct sales on mobility
- · Partnerships, EU, DoE, DoD

∅ ADV≡NT

2022 Outlook

- Majority of Sales expected in Q3 and Q4
- Sales will depend on the speed of execution of framework agreements with telecom operators
- Revenue in the form of development fees from joint development agreements
- Expected support from R&D and Government grants, as part of the \$23m revenue and grants target