



AUGWIND

ENERGY STORAGE SOLUTIONS

Value Proposition

 **AUGWIND** AIR | WATER | EARTH

harnessing the elements
for a **CLEAN FUTURE.**

DRIVING INNOVATION FROM THE GROUND UP

We developed a patented technology for underground storage of compressed air at high pressure, providing ground-breaking energy storage solutions for the renewable energy and energy efficiency markets

Established 2012

CEO: Allon Raveh

Founder: Or Yogev, PhD, Caltech

Approx. 70 employees in Israel

Public (TASE: AUGN)

Technology

AirSmart



Energy Efficiency

52 Installations

AirX



AirBattery



Energy Storage

206MWh Secured

18 patents granted 13 pending

Selected Customers and Projects:



SIEMENS



A BERKSHIRE HATHAWAY co. company



ENERGY STORAGE DEPLOYMENTS REACH NEW RECORDS IN 2021

UTILITY DIVE Deep Dive Opinion Podcasts Library Events Topics

Global energy storage set to nearly triple in 2021: Wood Mackenzie forecast

Published Oct. 8, 2021

A Vents Business

Wood Mackenzie Who We Are What We Do Industries We Serve Market Insights

NEWS RELEASE

U.S. storage market sets new installation record in Q3 2021

MWh deployments rise but supply chain challenges remain

09 December 2021



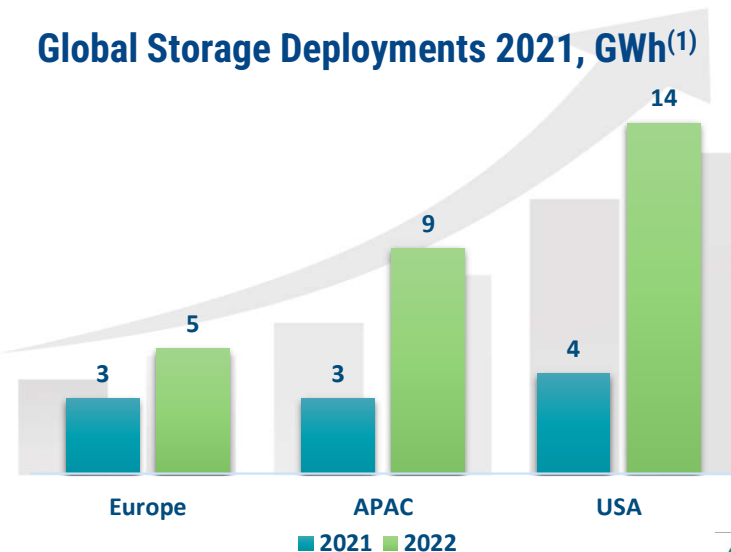
Advertising Contact

UK sees record-breaking submitted battery storage capacity under planning in Q2 2021

By Mollie McCorkindale

August 4, 2021

Global Storage Deployments 2021, GWh⁽¹⁾



The Telegraph

News Ukraine Sport Business Opinion Money Life Style

Economy Companies Markets Tech Alex

Europe's biggest battery to be built on Teesside

Singapore-based Sembcorp Industries is planning a new facility to help Britain manage intermittent flows of renewable power

By Rachel Millard
14 December 2021 - 6:00am

POWER

Distributed Energy

Featured Categories

'Best Is Yet to Come' for Energy Storage Technology

S&P Global Market Intelligence

US energy storage developers plan 9 GW in 2022, building on 2021 breakthrough



Advertising Contact

NEWS

Expansion plan to take world's biggest battery storage project to 3GWh capacity

By Andy Colthorpe

January 25, 2022

(1) Wood Mackenzie, 2021



AIR | WATER | EARTH

harnessing the elements
for a **CLEAN FUTURE.**

AIRBATTERY UNBUNDLES PUMPED-HYDRO CONSTRAINTS

PHS IS THE MOST COST-EFFICIENT ENERGY STORAGE SOLUTION
BUT IT REQUIRES MASSIVE LAND AND UNIQUE TOPOGRAPHY



AIRBATTERY IS BASED ON A PROVEN TECHNOLOGY

AIRX IS USED FOR UNDERGROUND STORAGE OF COMPRESSED AIR

Providing safe, cost-effective storage with minimal footprint



1. Polymer liner



2. Steel frame



3. Placing



4. Casting



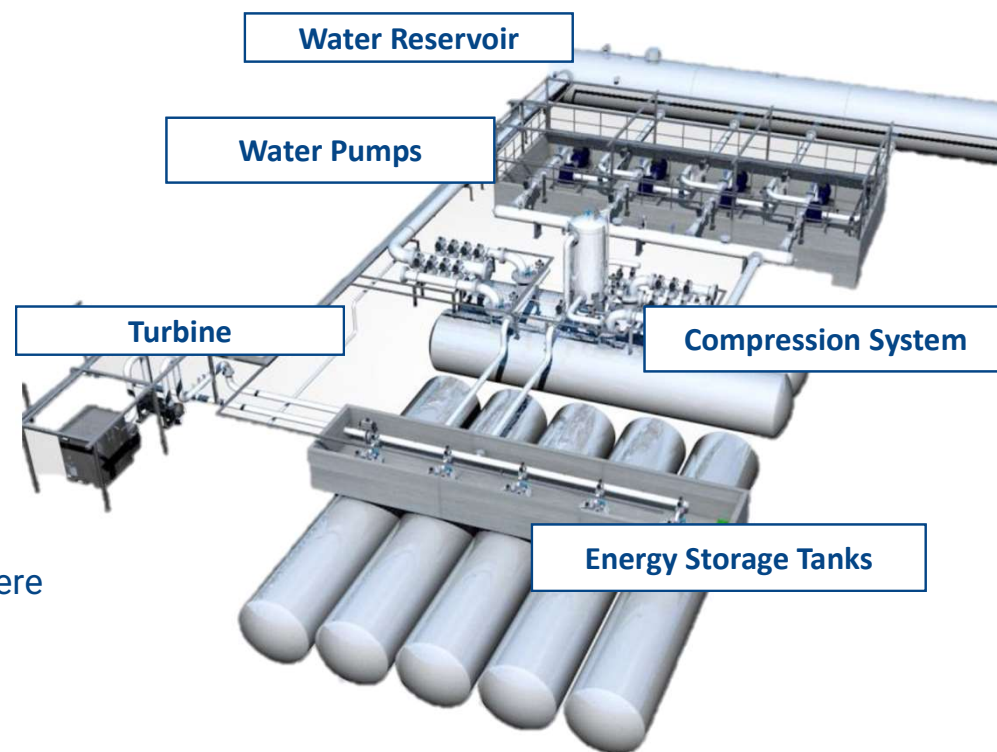
5. Completion



6. Maintenance

AIRBATTERY PROVIDES THE ADVANTAGES OF PUMPED-HYDRO WITHOUT ITS DRAWBACKS...

- ✓ Suitable for Long duration 4-12 hrs. & Multiple daily cycles
- ✓ Minimal degradation
- ✓ Over 70% Round-Trip Efficiency (RTE target)
- ✓ Competitive total cost of ownership (TCO) vs. existing alternatives
- ✓ Strong ESG: Not dependant on rare chemicals or metals, uses recycled materials, no major recycling challenges, relies strongly on local sourcing and manpower
- ✓ Minimal footprint and can be implemented almost anywhere
- ✓ Scalable & modular – 10-1,000 MWh





[▶ Play Video](#)

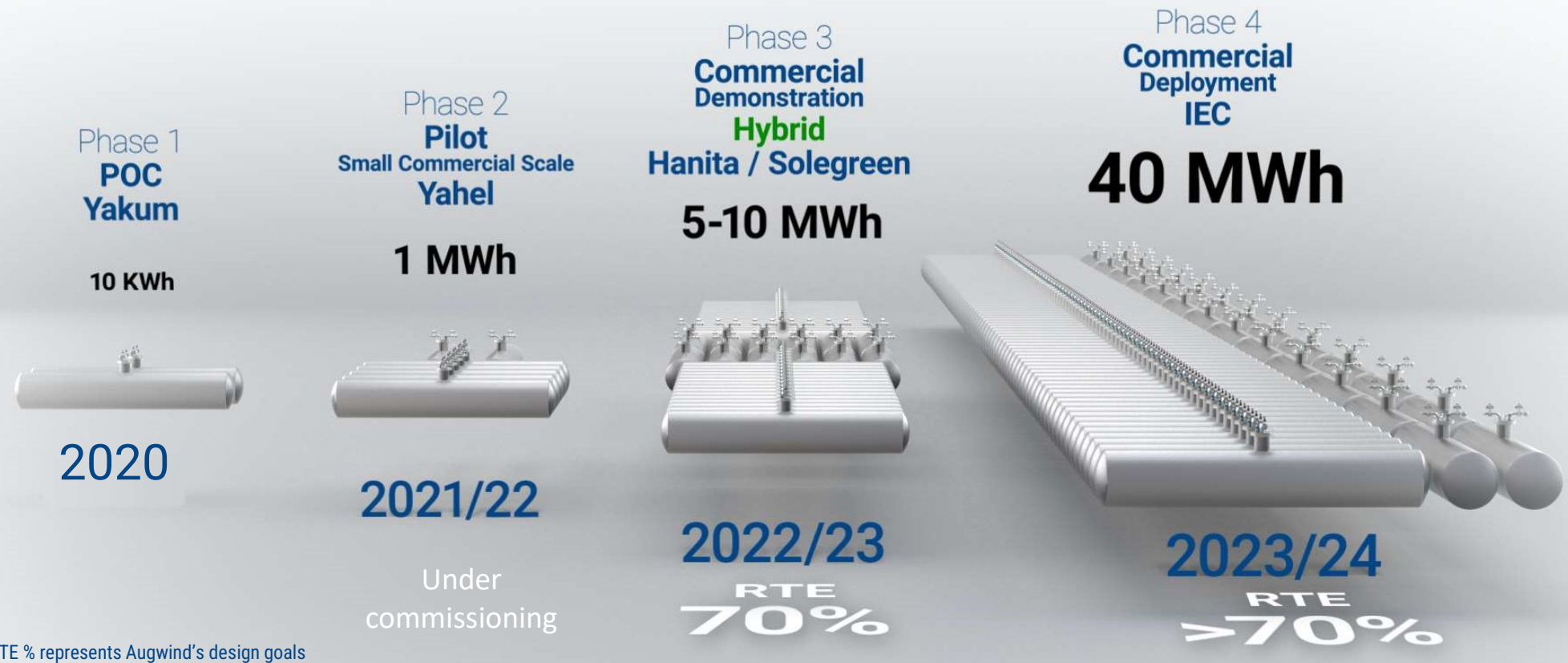
**AirBattery™ Pilot Project
250KW / 1MWh at Yahel**

**Underground
Compressed-Air Storage Tanks**



SCALING-UP IS ALREADY UNDERWAY

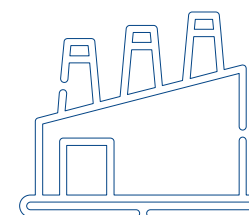
FOCUS ON LONG DURATION, UTILITY SCALE & COMPRESSED AIR INTEGRATION



RTE % represents Augwind's design goals

AirBattery

Hydro Compression - מערכת "דחיסת אויר שאובה"



חסכון בשטח יקר
התקנה תת קרקעית

הפחתת עלויות
אחזקת מדחסים

הפחתת עלויות תפעול
עד 60% חיסכון בצריכת חשמל

בטוח יותר ממכלים הממוקמים מעל
פני הקרקע
תכנון בטיחותי, ללא מפגעים



AirBattery

הזדמנויות לשיתופי פעולה

מערכות אגירה מאחורי המונה

- ניהול חשבון חשמל : רכישת חשמל בשפל וחסכון בשעות הפסגה
- יציבות ייצור של מערכות גנרציה / קוגנרציה
- שילוב מערכות סולאריות במידה של מגבלות רשת



מתקנים לאספקת אוויר דחוס

- ייצור אוויר דחוס בנצילות גבוהה – חסכון חשמל
- חסכון משמעותי בעלויות תחזוקת מדחסים
- יציבות ואמינות מערכות אספקת אוויר דחוס



HARNESSING THE ELEMENTS FOR A CLEAN FUTURE

Thank you!

Eshhar Chetsrony, VP Business development
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