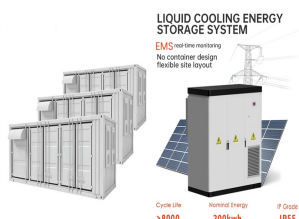


# MALTA ENERGY STORAGE SYSTEM COMPANIES



**LIQUID COOLING ENERGY STORAGE SYSTEM**  
**EMS** real-time monitoring  
 No container design  
 Flexible site layout

Cycle Life **≥ 8000**  
 Nominal Energy **200kWh**  
 IP Grade **IP55**

The Malta system empowers leaders to achieve ambitious climate goals, diversify and decarbonize their economies, promote social and economic development, and strengthen energy security and independence.

**ENABLING A SUSTAINABLE FUTURE THE NEED FOR ENERGY STORAGE** How the Malta System Works 1. Collects. Energy is collected from solar, wind, or ???



IP55/OUTDOOR cabinet  
 OUTDOOR cabinet with air conditioning  
 OUTDOOR ENERGY STORAGE cabinet  
 10 MWh

The energy storage company has also yet to perfect or productise the systems it is seeking to create, is in discussions to deploy a 1,000MWh system in the Maritimes, Canada. Malta Inc is in talks with local utility NB Power to potentially build its system in New Brunswick and it could be in service during 2024, the company claimed.



October 1st, 2024 ??? Cambridge, Massachusetts ??? Malta Inc. ("Malta"), a pioneering company in electro-thermal long-duration energy storage solutions, and CA Infraestructuras Energéticas 2023, S.L.U ("Cox") a global leader in the development and implementation of innovative sustainable technological solutions in the energy space, today



**TAX FREE**   
**ENERGY STORAGE SYSTEM**

**Product Model**  
 AL-ESS-250kW/200kWh/10MWh  
 AL-ESS-250kW/200kWh/10MWh

**Dimensions**  
 1600\*1200\*2000mm  
 1600\*1200\*2000mm

**Rated Battery Capacity**  
 250kWh/10MWh

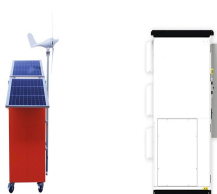
**Battery Cooling Method**  
 Air-Cooled/Liquid-Cooled

The Malta system is able to satisfy a daily or weekly load cycle by efficiently storing up to 200 hours of energy storage, though early systems will focus on current market applications in need of



Malta spun out from the special projects group at Google's parent company Alphabet and relies on some very old technologies combined in a novel way to provide long-duration energy storage that

# MALTA ENERGY STORAGE SYSTEM COMPANIES



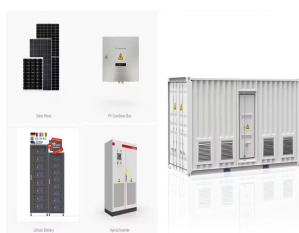
Malta has developed a unique solution for energy storage that enhances reliability on the grid. They are building a new type of electro-thermal energy storage system that can collect and store energy from any source (i.e. wind, sun, or fossil fuels), in any location and for long durations, and dispatch it as electricity on demand.



Storage Systems. Storage Systems Storage Systems Storage Systems is the leading intralogistics company in Malta and the most trusted name in space and storage solutions. We are experts in space management solutions and, over the past three decades, have established the gold standard in all things storage, bringing innovative, cost-efficient products and unmatched ???



At last year's online edition of the California Energy Storage Association's annual summit, Malta VP of commercialisation Ty Jagerson said the technology is intended as a complement to, rather than competition for, other energy storage technologies such as lithium-ion batteries and hydrogen in providing a "missing piece" for the



While the pilot is laboratory-scale, Malta's full-size pumped heat storage system could store more than 100 MW of power up to eight days or longer, according to the company. The pilot would be



A new approach to grid-scale energy storage. we're pleased to share that Project Malta is now an independent company called Malta Inc. Salt has the potential to transform how we store energy. The idea: salt-based electro-thermal energy storage In order to combat FUD, please document the system losses, and how they stack up to things

# MALTA ENERGY STORAGE SYSTEM COMPANIES



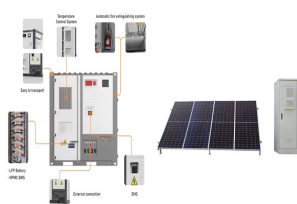
Malta Inc, a developer of a "pumped-heat energy storage" (PHES) technology which the company claims can provide large-scale energy storage for up to 200 hours, has partnered with Siemens Energy to co-develop ???



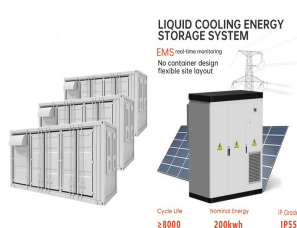
Malta Inc, a developer of grid-scale, long-duration energy storage (LDES) solutions, has attracted the venture arm of Siemens Energy AG as a backer as part of a new fundraising round aimed at securing capital to advance the deployment of its technology globally. "With our support, Malta is well positioned to be the first company to commercialize ???



The two companies said last year they would look at integrating Malta's 100 MW, 10-hour pumped heat energy storage system into existing infrastructure at a Duke Energy coal plant in North Carolina.



Today Malta is in advanced discussions with a more than a dozen utilities in Europe, and the Americas over plans to deploy Malta's long duration energy storage technology. As the urgency of the energy transition grows, interest in Malta's ready-to-market, thermo-electric energy storage solution has skyrocketed.



Nevertheless, some high-powered investors have participated in the spin-off of Malta into a separate company. Renewable Energy News says Malta has raised \$26 million in its initial funding round

# MALTA ENERGY STORAGE SYSTEM COMPANIES



Based in Cambridge Massachusetts, Malta, Inc. has developed a Pumped Heat Energy Storage (PHES) system to provide long-duration, large-scale, cost-effective, and safe energy storage. Malta's system stores electricity as thermal energy and then re-generates the electricity on demand for up to 200 hours, meeting daily and weekly needs.



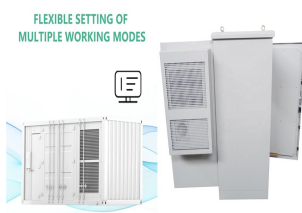
Malta energy storage system is looking forward to first pilot December 23 2018, by Nancy Cohen Credit: Malta Malta has received a round of funding and is graduated from "project" to group that can sail. The Cambridge, MA-based company is focused on the storage of electro-thermal energy and the funding put the group in celebration mode this month.



Who is Malta. Malta has developed a like-for-like replacement for today's fossil fuel-fired plants that delivers on-demand clean energy. Its long-duration energy storage technology stores electricity as thermal energy from eight hours to eight days or longer, later returning it to the grid to meet hourly, daily, and weekly needs. The Malta system also provides ???



Storage Systems. Storage Systems Storage Systems Storage Systems is the leading intralogistics company in Malta and the most trusted name in space and storage solutions. We are experts in space management solutions and, over ???



"Malta's thermoelectric energy storage system offers a flexible, cost-effective, and scalable solution for the storage of energy over long periods of time," said Christian Bruch, President and CEO of Siemens Energy. "With our support, Malta is positioned to be the first company to commercialize such a solution globally."

# MALTA ENERGY STORAGE SYSTEM COMPANIES



Malta has received a round of funding and is graduated from "project" to group that can sail. The Cambridge, MA-based company is focused on the storage of electro-thermal energy and the funding put the group in celebration mode this month. In return, the company is turning up the volume on its potential role in the future of energy storage???namely, working out ???



Malta has raised a \$50 million Series B round to bring its super-long-duration energy storage to market, the company said Wednesday. The startup spun out of Google parent company Alphabet's



CAMBRIDGE, Massachusetts ??? February 24, 2021 ??? Malta Inc., a pioneer in long-duration energy storage, today announced it has raised \$50M in a Series B round of funding. The financing was led by integrated energy group Proman with participation from new investor Dustin Moskovitz and existing investors Alfa Laval and Breakthrough Energy Ventures.



"Grid-scale storage plays an important role in the EU Net Zero Emissions by 2050 Scenario, providing important system services that range from short-term balancing and operating reserves, ancillary services for grid stability and deferment of investment in new transmission and distribution lines, to long-term energy storage and restoring grid operations following a ???



Renewable energy is gathered from wind or solar farms on the grid as electrical energy and sent to Malta's energy storage system. 2 ??? CONVERTS . The electricity drives a heat pump, which converts electrical energy into thermal energy by creating a temperature difference. Malta Inc. is now an independent company. It plans to build and

# MALTA ENERGY STORAGE SYSTEM COMPANIES



Artist's rendering of a Malta 100-MW, 10-hour, 1,000-MWh energy storage plant. Courtesy: Malta Inc. The collaboration will focus on near-term actions to jointly develop a portfolio of long-duration energy storage projects. The team's aim ???



Malta Inc, a developer of a "pumped-heat energy storage" (PHES) technology which the company claims can provide large-scale energy storage for up to 200 hours, has partnered with Siemens Energy to co-develop turbomachinery components for its systems.



Christian Bruch, President and CEO of Siemens Energy, said: Malta's innovative thermoelectric energy storage system offers a flexible, cost-effective and scalable solution for the storage of energy over long periods of time. With our support, Malta is well positioned to be the first company to commercialize such a solution globally.