

Solar Energy South Africa

Pillswood bess Tunisia



Overview

What is Pillswood?

Pillswood stands as the flagship project under owners Harmony Energy Income Trust and the developers at Harmony Energy. It debuted as a game-changer, claiming the title of Europe's largest Battery Energy Storage System (BESS) by MWh.

What is the Pillswood BESS project?

an energy generation and to protect the future of our planet. The Pillswood BESS project is the first of eight similar battery energy storage schemes scheduled for delivery by HEIT in the coming year. Harmony also has plans to replicate its UK success in continental Europe to address the urgent need to deploy significant volumes of BESS to support.

What makes Pillswood's BESS a top-performing energy storage facility?

Since its launch in November 2022, Pillswood's BESS has consistently ranked among one of GB's top-performing BESS facilities. It has garnered accolades, including prestigious awards such as the Energy Storage Awards and the Solar & Storage Live Awards in 2023.

What awards has Pillswood BESS won?

It has garnered accolades, including prestigious awards such as the Energy Storage Awards and the Solar & Storage Live Awards in 2023. To see a timelapse of the multi-award winning Pillswood BESS, please visit the Harmony Energy YouTube channel.

Is Pillswood the biggest battery storage project in Europe?

Image: Harmony Energy. Alex Thornton, operations director at Harmony Energy, gives us a deep dive into Pillswood, the biggest battery storage project in Europe, including the bold decision to be an early-mover into 2-hour lithium-ion BESS, in a market of much shorter duration assets.

Is pillswood a good facility?

Pillswood's launch made headlines around the world including a feature in the BBC and Open Access Government. Since its launch in November 2022, Pillswood's BESS has consistently ranked among one of GB's top-performing BESS facilities.

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**2MW / 5MWh
 Customizable**

Winding up of UK BESS specialist EPC/ICP firm G2 Energy ...

Winding up of UK BESS specialist EPC/ICP firm G2 Energy confirmed as bulk of team joins Mitie. By Cameron Murray. July 17, 2023. Europe. Grid Scale. Business. LinkedIn Twitter Reddit Facebook Email Harmony Energy's 196MWh Pillswood BESS. Harmony Energy Income Trust is one of three listed fund managers in the UK focused on BESS, along with

HEIT predicts 'attractive returns' despite revenue woes

Harmony Energy's Pillswood BESS (above) was one of "GB's best performing" throughout 2023. Image: Harmony Energy. Battery storage investment firm Harmony Energy Income Trust (HEIT) has predicted that it can ...



Harmony Energy Launches Tesla Megapack-Powered BESS

It is the largest BESS in Europe. Harmony Energy has launched its largest Bumpers BESS project in Europe: 99 MW / 198 MWh in Buckinghamshire, UK. The second largest is the 98MW/196MWh Pillswood BESS in Yorkshire, launched in November 2022. As well as the successful delivery of power to the Bumpers project, HEIT's 49.5MW / 99 MWh Little

Envision supplying BESS to 166MWh of Harmony Energy's UK ...

Harmony Energy's Pillswood project in northern England. At 98MW/196MWh, the 2-hour BESS is Europe's largest, featuring Tesla Megapacks. Image: Harmony Energy. Wormald Green and Hawthorn Pit, the BESS projects Envision is contracted for, are set to commence in Q2 2023, both anticipated to be fully completed and connected to the grid in



UK's new Battery Strategy misses potential of BESS

The 196MWh Pillswood BESS project in northern England is the largest of its type in Europe. Image: Harmony Energy. A national solar energy industry association has criticised the UK government's newly-released Battery Strategy for paying "insufficient attention" to opportunities presented by battery energy storage systems (BESS).

Harmony Energy secures £10m credit facility for EU ...

Pillswood was brought online in November 2022 and is thought to be one of the largest standalone battery storage systems in Europe. The investor claimed Pillswood was among the best-performing battery assets in ...



Pillswood Energisation - Company Announcement

At the time of energisation, the Pillswood project is the largest BESS project in Europe (by MWh). The Pillswood project employs Tesla 2-hour



Megapack technology systems and has the capacity to store up to 196 MWh of electricity in a single cycle. This is the equivalent battery capacity to power around 300,000 UK homes for two hours.

Cottingham: Europe's biggest battery storage system switched on

The site, said to be able to store enough electricity to power 300,000 homes for two hours, went online at Pillswood, Cottingham, on Monday. Its launch was brought forward four months as the UK



'Europe's largest' BESS goes online in UK

'Europe's largest' BESS goes online in UK
Harmony Energy Income Trust, an investment firm, announced on November 21 that its Pillswood project, in Yorkshire, UK had gone live some four months' earlier than previously planned. The 98MW/196MWh facility is the largest BESS project in Europe by MWh, Harmony said. This is equivalent to

Harmony Energy Income Trust sells 99MW battery storage asset

One of its operational BESS assets recently came online in Farnham in June 2023. Farnham was HEIT's third project to be energised following its

98MW/196MWh Pillswood BESS project, which went live ahead of schedule in November 2022 as reported by Solar Power Portal, and its second BESS project the 11MW/22MWh Broadditch project located in Kent.

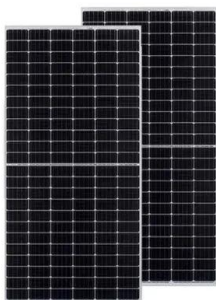


Pillswood BESS Project with Keyland, Harmony Energy and Tesla

The Pillswood BESS project, facilitated on land owned by Keyland Developments, is currently the largest in Europe (by MWh). The project has the capacity to store up to 196 MWh of electricity in a single cycle which is enough electricity to power around 300,000 UK homes for two hours.

How we delivered the 98MW/196MWh Pillswood ...

Alex Thornton, operations director at Harmony Energy, gives us a deep dive into the biggest battery storage project in Europe, including the bold decision to be an early-mover into 2-hour lithium-ion BESS, in a market of ...



'Joint-biggest BESS in Europe' brought online by UK investor

...

The output of Bumpers is 1MW larger than the investor's Pillswood project, and has the same capacity in megawatt-hours. Pillswood was brought online in November 2022 and is currently thought to be the largest standalone

battery storage system in Europe.. It was also winner of Standalone Grid-Scale Project of the Year in the Energy Storage Awards hosted by ...

UK's Harmony Energy Income Trust BESS portfolio sale update

HEIT's 98MW/196MWh Pillswood project, developed by Harmony Energy, during construction ahead of its start of commercial operation in 2023. Image: Harmony Energy
 HEIT's portfolio includes two of the biggest BESS projects in Europe, Pillswood and Bumpers, equally sized at 98MW/196MWh each. The eight project portfolio totals 395.4MW output



Harmony Energy Income Trust sells 99MW battery ...

One of its operational BESS assets recently came online in Farnham in June 2023. Farnham was HEIT's third project to be energised following its 98MW/196MWh Pillswood BESS project, which went live ahead of ...

[New BESS projects power up in Europe](#)

With the startup of the Bumpers project -- developed by Harmony Energy Limited -- HEIT now owns two of the three largest operating BESS sites in Europe (by MWh), following the energization of its 98 MW/96 MWh Pillswood BESS project in Yorkshire in November 2022. Activation of these two systems increases HEIT's total operational capacity to 277.5 ...



Using Tesla Megapacks, Pillswood energy storage enters service



What is being billed as one of Europe's largest battery energy storage systems entered service in England. Developed by Harmony Energy Limited and using a Tesla 2-hour Megapack system, the Pillswood project, near Hull, has the capacity to store up to 196 MWh of electricity in a single cycle.

HEIT predicts 'attractive returns' despite revenue woes

Harmony Energy's Pillswood BESS (above) was one of "GB's best performing" throughout 2023. Image: Harmony Energy. Battery storage investment firm Harmony Energy Income Trust (HEIT) has predicted that it can generate "attractive returns" despite the ongoing woes in battery energy storage revenues in the GB market.



Community benefits and engagement key for BESS industry

HEIT's 98MW/196MWh Pillswood BESS project. Image: Harmony Energy. Kavanagh added: "Ensuring the safety of BESS projects must be a top priority, and with the industry having over 140 UK BESS sites operating safely and thousands live across the globe, it's essential developers and operators continue to build trust with communities."



How we delivered the 98MW/196MWh Pillswood BESS

Project

Alex Thornton, operations director at Harmony Energy, gives us a deep dive into the biggest battery storage project in Europe, including the bold decision to be an early-mover into 2-hour lithium-ion BESS, in a market of much shorter duration assets.

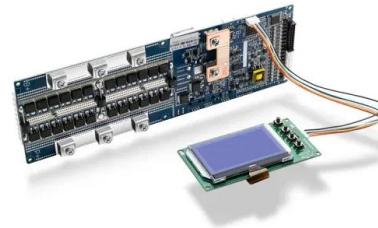


[MV E-HOUSE 33KV FOR BESS 100MW](#)

The project includes the design, manufacturing and supply of nr. 2 E-Houses 33kV, equipped with ATR switchgear 36kV 1250A 20kA(1s) for Pillswood BESS plants 100MW. It is the largest BESS system in Europe (by MWh). The E-House is a crucial component of the BESS plants.

Pillswood BESS Capable of Powering City the Size of ...

The new Pillswood BESS, with 98MW storage capacity, is activated early due to energy crisis and connected to Creyke Beck substation. Britain's newest National Grid battery storage site is one of Europe's biggest.



SSE Renewables kicks off largest UK BESS under-construction

The Pillswood BESS currently the largest in operation in the UK at 198MWh. Image: Harmony Energy. The renewable energy IPP arm of UK utility SSE is to start building a 320MW/640MWh battery energy storage system (BESS), which could be the largest under-construction in the

country.

How we delivered the 98MW/196MWh Pillswood ...

The Pillswood Battery Energy Storage System (BESS) near Hull in northern England was officially opened by Harmony Energy and its investment company, Harmony Energy Income Trust, in March 2023. This 98MW/196 ...



Harmony Energy brings Europe's 'largest BESS in MWh' online

Aerial view of Harmony Energy's Pillswood project in northern England, UK. Image: Harmony Energy. (BESS) project. The site, located in Hull, northern England, uses a Tesla two-hour Megapack system. It was originally planned to go online over two phases in December 2022 and March 2023, the plans however, were accelerated in an effort to

Harmony's Pillswood BESS officially opened

Kavanagh said Pillswood is Harmony's third, and largest, BESS. It employs a Tesla 2-hour Megapack system with lithium iron phosphate batteries. He told BEST it is the first of six similar projects the Trust intends to deliver in the coming year. They will all use the Tesla Megapacks. Photo: Charlotte Graham Photography



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