



# Prologium solid state battery Zambia

Is prologium a solid-state battery company?

Founded in 2006, Prologium developed solid-state batteries in 2012 and is selling them to manufacturers of small IT devices such as smartwatches. The company is also attracting investment from global investment companies and co-developing solid-state batteries for electric vehicles with major automakers such as Mercedes-Benz.

Are Mercedes-Benz & prologium developing next-generation solid-state battery cells?

Home Company News Next-generation solid-state battery cells. Next-generation solid-state battery cells. January 27, 2022 - Mercedes-Benz and ProLogium, a leader in solid-state batteries, have signed a technology cooperation agreement to develop next-generation battery cells.

Will prologium build a solid-state battery pack?

After a series of evaluations on ProLogium's solid-state batteries with 100% SiOx anode, the two companies will enter into discussion regarding building prototypes for "ProLogium- MAHLE" solid-state cell modules and battery pack.

Who is prologium battery?

Founded in 2006, ProLogium is a global leader in innovative next-generation battery technologies for vehicle, consumer, and industrial applications. ProLogium is the first battery company in the world to mass-produce solid-state lithium ceramic batteries. Its proprietary technologies cover nearly 600 (applied and awarded) patents worldwide.

Is prologium launching a Gigafactory site for next-generation solid-state batteries?

ProLogium has also confirmed the search for its first overseas gigafactory site for next-generation solid-state batteries in Asia, Europe, or USA in light of the exponential growth in demand for electric vehicles over the next decade. The battery maker has been in discussion with multiple agencies in these regions.

How will ACC & prologium collaborate on solid-state EV battery development?

Under the MOU, ACC and ProLogium will focus their joint efforts on the collaboration for solid-state EV battery development. "ProLogium Inside" EV battery solutions will be developed for customers based on ProLogium's leading-edge solid-state battery technology and subsequent supply chain and/or industrial agreement concluded by both parties.

The partner of Mercedes in solid-state battery development, ProLogium, has showcased the fruit of its multi-year research in silicon electrodes at the ongoing Paris Auto Show which it said...

ProLogium said the plant would be able to supply two gigawatt-hours (GWh) of ceramic solid state batteries per year when it reaches full capacity, enough for some 26,000 battery electric vehicles ...



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"As leading global battery innovators, Gogoro and ProLogium have partnered to jointly design solid state battery prototypes that integrate with Gogoro's battery swapping network and two-wheel vehicles," said Vincent Yang, founder and CEO of ProLogium Technology. "Solid state battery technologies present a new phase in the future of ...

Taipei, July 25 2023 - ProLogium and MAHLE have signed an MOU for the development of the first thermal management system tailored for ProLogium's next generation solid-state batteries. The collaborative efforts will contribute to ...

In March 2024, ProLogium achieved TÜV Rheinland certification for its battery's energy density at 749 Wh/L (volumetric) and 321 Wh/kg (gravimetric). By December, ProLogium has raised the bar to ...

Biggest difficulty for solid-state Battery: High inner resistance and Poor c-rate Before 2016: ProLogium kept improving inner resistance for ASSB and increasing c-rate after 2016: transfers to HSSB, inner resistance performance surpass LiB at 2017

Through years of proven core technologies, ProLogium fulfills requirements for batteries including extreme safety, high energy density and low cost. With its automated pilot production line, ProLogium has provided nearly 8,000 solid-state battery sample cells to global car manufacturers for testing and module development.

ProLogium's GWh level solid-state lithium ceramic battery plant will be the first in the world to go online in early 2023, and it aims to begin scaling up by the second half of the year, followed by capacity expansion plans in major markets worldwide.

Posco has signed an agreement to invest in Prologium and to co-develop cathode materials, silicon cathode materials, solid electrolytes for solid-state batteries, and establish a global...

On March 19th, ProLogium Technology, a global leader in solid-state battery innovation, makes its debut at the "2050 Net Zero City Expo" in Taipei, Taiwan. During the event, Prologium is showcasing its exclusive "P-C-R Next-Generation Solid-State Battery" solution and its pathways to de-carbonization, aiming to develop solid-state batteries that are not only commercially ...

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The first Mercedes-Benz test vehicles equipped with solid-state batteries co-developed with ProLogium are expected to be introduced in the coming years. The companies also agreed on milestones that would enable integration of the solid-state battery technology into a range of passenger vehicles in the second half of the



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decade.

A Game-Changing Battery Technology That Achieves High Energy Density and Scalable Production, Ready to Drive the Global Energy Transition. ProLogium Technology, a pioneer in lithium-ion battery innovation, was invited to the Solid-State Battery Summit (SSB Summit) on August 14, 2024, Chicago, USA. The company's Chief Scientist, Dr. Dmitry Belov, ...

On January 23rd, ProLogium Technology, a global leader in solid-state battery innovation, inaugurated its Taoke factory, marking a significant milestone in the battery industry. The event ...

Taipei, October 29, 2021 -- World-leading solid-state battery (SSB) maker ProLogium Technology announced the completion of a US\$326 million financing round. The investment will strengthen and accelerate ProLogium's focus on supplying OEMs for high-performing, safe and affordable EV batteries and accelerate the provision of SSB solutions for ...

ProLogium recently showcased its exclusive "P-C-R" next-generation solid-state battery solution at the 2050 Net Zero City Expo in Taipei, Taiwan, aiming to develop solid-state batteries that are not only commercially ...

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Taipei, July 25 2023 - ProLogium and MAHLE have signed an MOU for the development of the first thermal management system tailored for ProLogium's next generation solid-state batteries. The collaborative efforts will contribute to the rollout of commercially viable solid-state battery solutions that offer improved safety, energy density, and ...

The collaborative efforts will contribute to the rollout of commercially viable solid-state battery solutions that offer improved safety, energy density, and lifespan. ... After a series of evaluations on ProLogium's solid-state batteries with 100% SiOx anode, the two companies will enter into discussion regarding building prototypes for ...

ProLogium, a leader in solid-state batteries, and Mercedes-Benz have signed a technology cooperation agreement to develop next-generation battery cells. The first Mercedes-Benz test vehicles equipped with solid-state batteries co-developed with ProLogium are expected to be introduced in the coming years.



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ProLogium debuted a groundbreaking 106Ah solid-state battery tailored for electric vehicles, showcasing advanced manufacturing and commercial viability. The Taoke factory aims to produce batteries for 26,000 electric vehicles worldwide, positioning ProLogium as a key player in the global transition to electric mobility since its production ...

At 17:00 on June 15, Taipei Time (GMT+8), an exclusive first look at "How ProLogium's Solid-State Battery is Made", a video introduction of the company's manufacturing process, was published on ...

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New Structure Enables Advanced Chemistry and Superior Battery Performance . ProLogium's groundbreaking battery structure supports various chemical systems for diverse applications. ... the volumetric energy densities can reach 900-1,100 Wh/L. Coupling ultra-thin lithium metal with solid-state electrolytes and lithium-free soft cathode active ...

ProLogium announced its plan to set up its first overseas solid-state battery gigafactory in Dunkirk, France in mid-May. With a total EUR5.2 billion in investment and a total planned capacity of 48 GWh to be deployed in phases, the Dunkirk gigafactory will serve as a manufacturing base to supply the European EV market, enabling ProLogium to ...

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