Investment Dossier

SOLID ENERGETICS ECO TECHNOLOGIES

Ecosystem

Address
Tallinn, Kesklinna linnaosa, Tartu mnt
67/1-13b, 11317

Email address
info@solidenergetics.eu

About Solid Energetics

SOLID ENERGETICS ECO TECHNOLOGIES

Solid Energetics is an entity dedicated to the research and development of sustainable technologies, founded by Jorge Díaz-Crespo Valdés, inventor and creator of the Solid Electrolyte for batteries and other applications.

The project

Our core mission at Solid Energetics is the constant improvement of technology, seeking to improve efficiency and explore more sustainable ways to contribute to the well-being of our planet. In addition, we are proud to be actively engaged in the improvement of biodegradable and environmental technologies.

At Solid Energetics, we lead Technological and Sustainable innovation, with a team committed to excellence. We work tirelessly to drive significant advances in batteries and other energy-related applications, always with a focus on solutions that respect and preserve our environment. *Our company does not manufacture, only licenses or sells projects, we are a company that invents and patents and makes a profit with investors and licenses*.

Mission and Vision of Solid Energetics

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- **Founder and CEO of Solid Energetics**

Jorge Diaz-Crespo Valdés

Mission and Objective

Research, invent and protect innovative energy technologies for subsequent commercialization through licensing, manufacturing assignments or direct sale of patents.

We target **companies and governments** around the world, who are looking for sustainable, economical and technically viable energy solutions without assuming the high costs and development times. We are the bridge between scientific invention and its practical application on a large scale.

The first example of this mission is already a reality: **a universal, safe, efficient and low-cost solid electrolyte**, patented and currently in full negotiations with different companies at an international level.

Company Vision

At Solid Energetics, we aspire to create an **International Research Center** that develops patentable energy technologies capable **of transforming the way industries and governments store and manage energy.**

Our vision is to become the source of **global energy solutions**, adaptable to multiple sectors and ready for fast and efficient integration.

Battery Innovation

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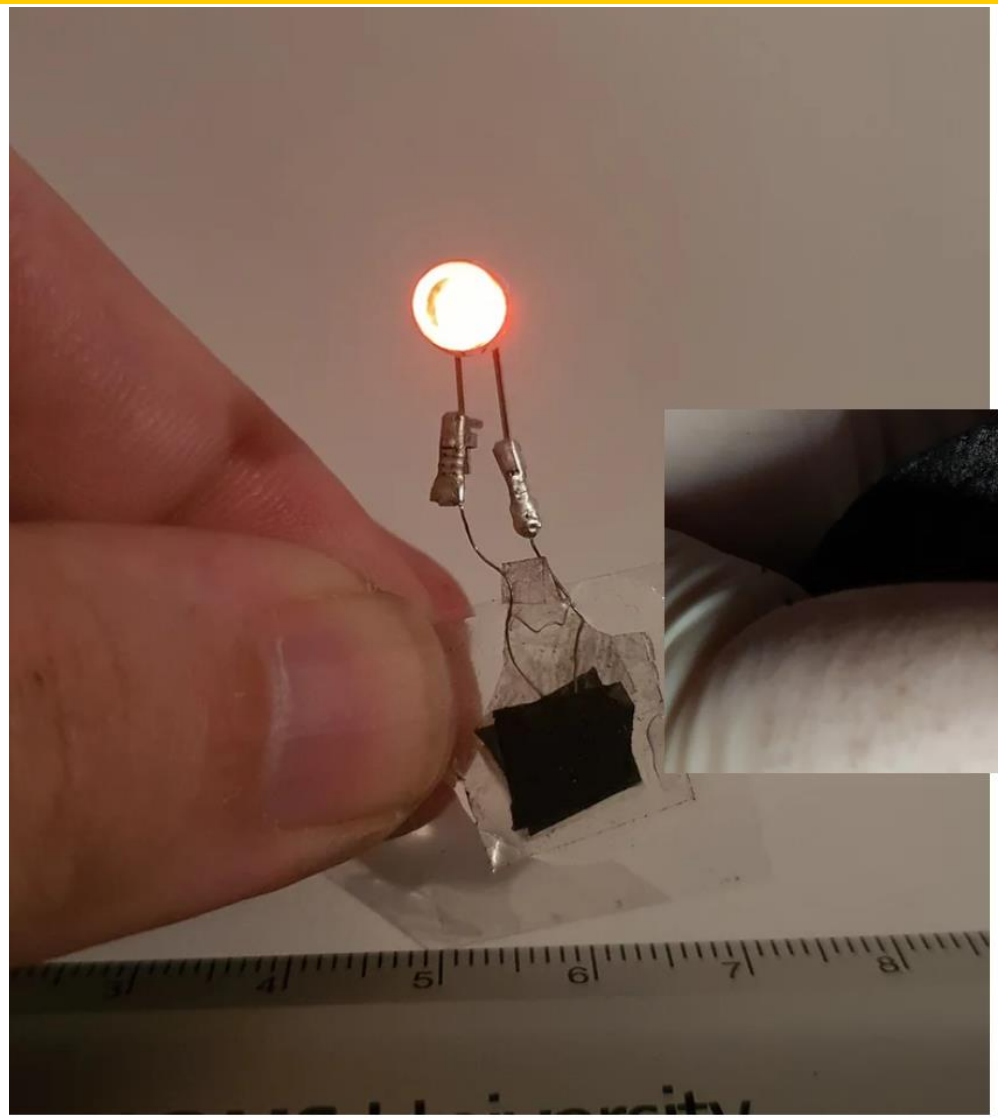
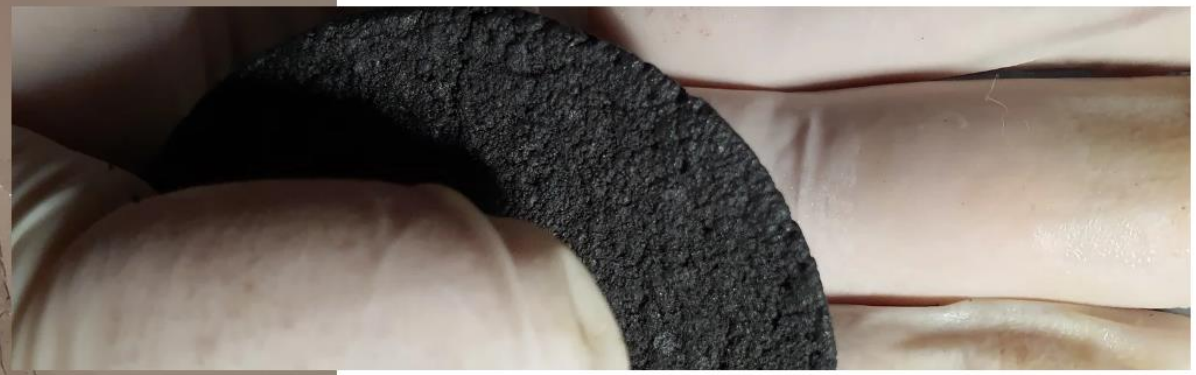


WHAT IS SOLID ELECTROLYTE?

A solid electrolyte is an innovative component in battery technology that replaces traditional liquid electrolytes with a solid material, significantly improving the energy efficiency and safety of the device.



This innovation eliminates the risk of short circuits, increases the flexibility of the batteries and facilitates their integration into diverse applications. In particular, the solid electrolyte can take ceramic or polymeric forms, among other solid configurations, offering versatility in its application.

For more details:https://solidenergetics.eu

Technical Validation of Solid Electrolyte

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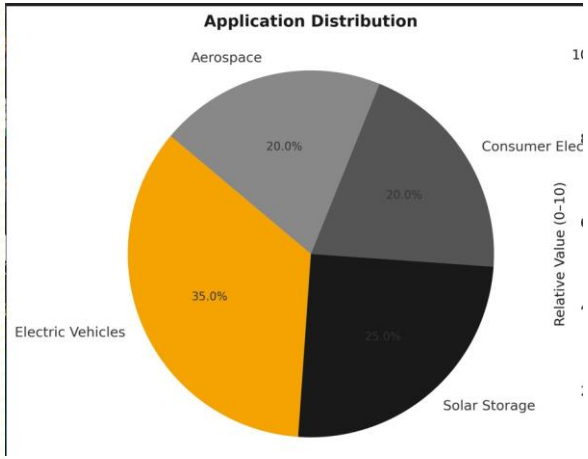
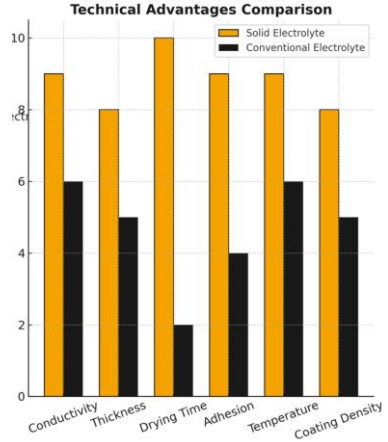
(General Technical Parameters – Controlled Lab Conditions)

Parameter	SE Solid Electrolyte	Conventional electrolytes (gel, polymer, liquid)	Advantage?
Dry ionic conductivity	> 10^{-3} S/cm	Liquid: ~10^{-2} S/cm / Typical Polymer: 10^{-4} to 10^{-6} S/cm	✅ **Superior to polymer and sufficient for liquid-free operation**
Layer thickness	30–80 µm	Separator + gel: 100–200 µm (together)	✅ **Thinner, lower internal resistance**
Air Drying	3–7 min	Not available in polymer or liquid: require atmospheres, furnace, or pressure	✅ **Much faster**
Adhesion to metal without primer	> 5 MPa	Polymers: typically require primer chemical or heat	✅ **Far superior**
Functional Temperature Range	-20°C to +100°C	Liquid batteries: -10°C to +60°C (other than that, thermal risk)	✅ **Longer range without thermal risk**
Coating Density	< 1.2 g/cm³	Gel + separator: 1.5–2 g/cm³ combined	✅ **Lighter, better energy density by weight**
Storage stability	> 6 months without an inert atmosphere	Polymers and liquids require dry atmosphere, sealing, or degradation	✅ **Increased durability and logistical simplicity**

This is a technical summary of our **solid electrolyte**, which has been duly tested and compared in the laboratory with conventional electrolytes, **thus allowing its technical validation.**

All data have been obtained under controlled conditions and within the framework of **confidentiality agreements (NDAs).** Access to the full report is available only through an **investment agreement or license**.





Recent highlights.....

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Batteries

SK On to spend $352 million to mass produce solid-state batteries by 2028

Solid-state batteries feature longer driving range and a shorter charging time due to their higher energy density

By Sungsu Bae Apr 24, 2023 (Gmt+09:00) | 2 Min read

ELECTRIC CARS

U.S. Government Invests in Solid Electrolyte Battery Development

- The U.S. government, through the Department of Energy, has provided nearly $2000 million to General Motors for the development of solid electrolyte batteries.

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Beginning / News

South Korea to invest $15 billion to become first country to commercialize solid-electrolyte batteries

ECO-FRIENDLY CAR , BATTERIES , ELECTRIC CAR , ECOLOGICAL MOBILITY EVENT , SUSTAINABLE MOBILITY , ECO-FRIENDLY VEHICLE

Europe boosts 1,000 km battery with solid electrolyte: 1,500 million euros to boost the project

AssociationAFEAE —— August 9, 2023

The competition is Our potential customers

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The bankruptcy of Sweden's Northvolt deals a severe blow to the European battery sector

The recent **bankruptcy of Northvolt** highlights the difficulties of the sector. At Solid Energetics we do not compete with battery manufacturers: they are our potential customers.

Our **solid electrolyte technology is now finalized** and ready to be integrated. While others are still in the feasibility phase, **we offer a real solution.**

While large companies such as Mercedes or BMW are still in the testing phase with solid-state batteries, at Solid Energetics we already have a fully developed and functional technology.

This puts us ahead in terms of viability and market readiness.

Solid-state batteries are the great hope of electric cars. And Mercedes already has one that lasts 1,000 kilometers

Mercedes is already testing electric variants that promise to improve, and a lot, the current autonomy

Las baterías de estado sólido no son, por el momento, la panacea de los coches eléctricos, pero **su uso en futuros modelos promete permitir un interesante salto en cuanto a autonomía y/o peso embarcado,** permitiendo aumentar la primera y/o reducir el segundo. Consciente de ello, BMW ha equipado un i7 con esta tecnología para probar su eficiencia y viabilidad.

Growth Analysis

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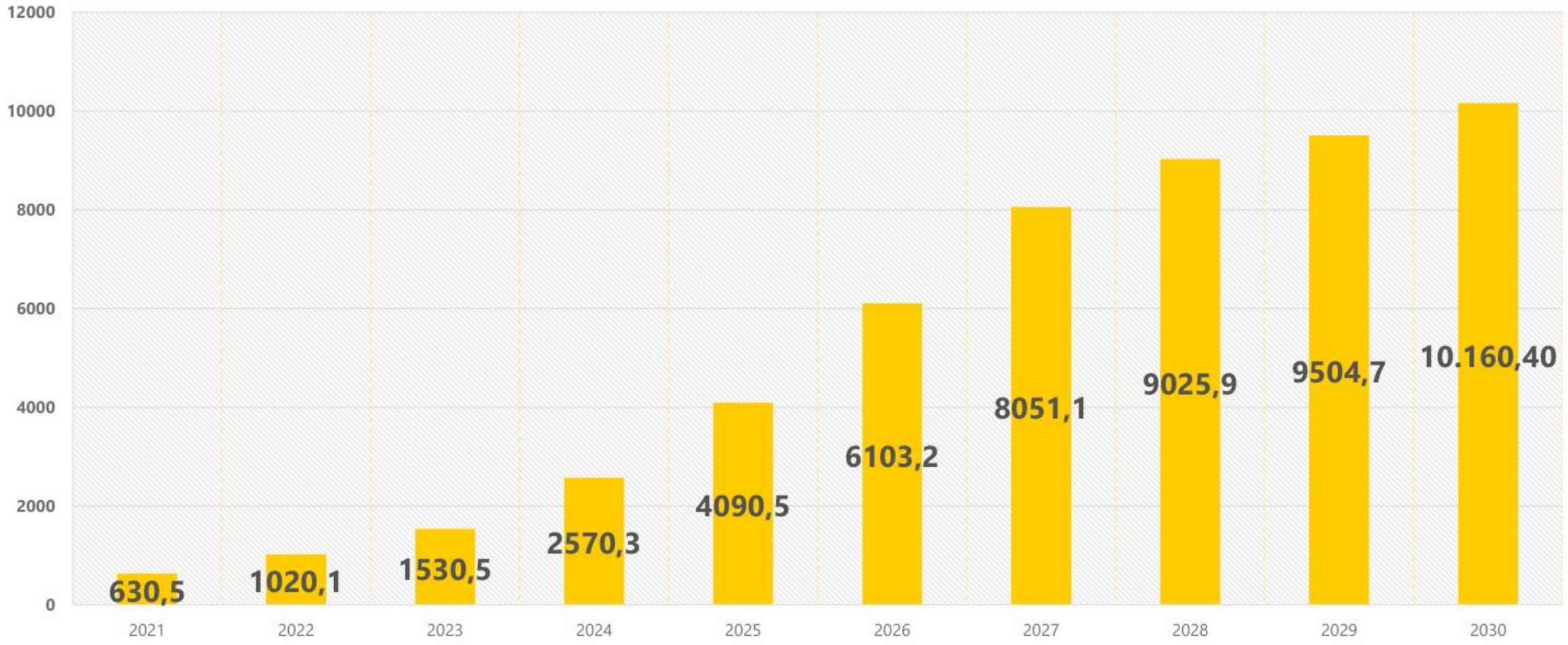
Solid State Battery Market Size (USD million)



SolidEnergetics FAQs

About the capital and our shares in Solid Energetics, our company is a company endorsed by the European government and protected by the European trademark and patent entity, Our capital and movements are private to protect the financial information and of our investors.

Does the company have capital?

No, SolidEnergetics does not appear with registered capital in its corporate structure. This is because we work with external capital, from private investors and shareholders. For confidentiality reasons and because of the Privacy Agreements (NDAs) signed, we are unable to publicly expose our portfolio or holdings.

Yes, we have signed contracts with companies for the manufacture of our technology. However, for strategic market reasons and due to the NDAs in place, we cannot publicly disclose which companies we work with. Once a company acquires or licenses a module, all the corresponding private information is given to it under agreement.

SolidEnergetics Business Model

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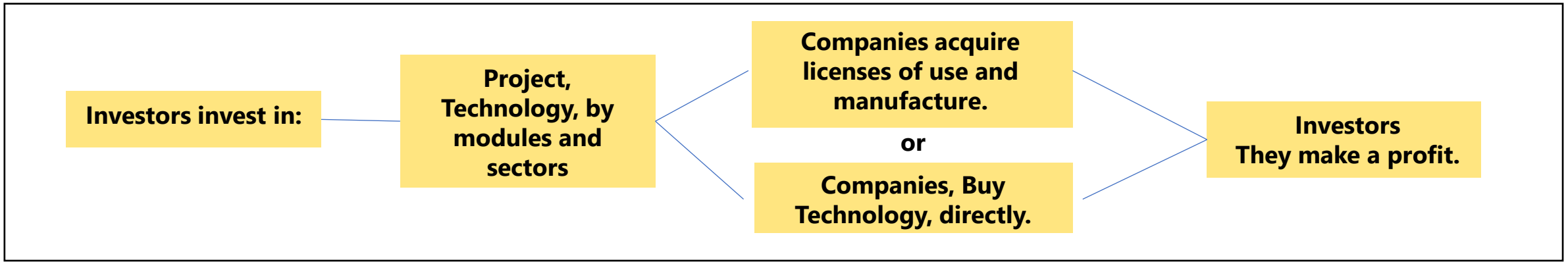
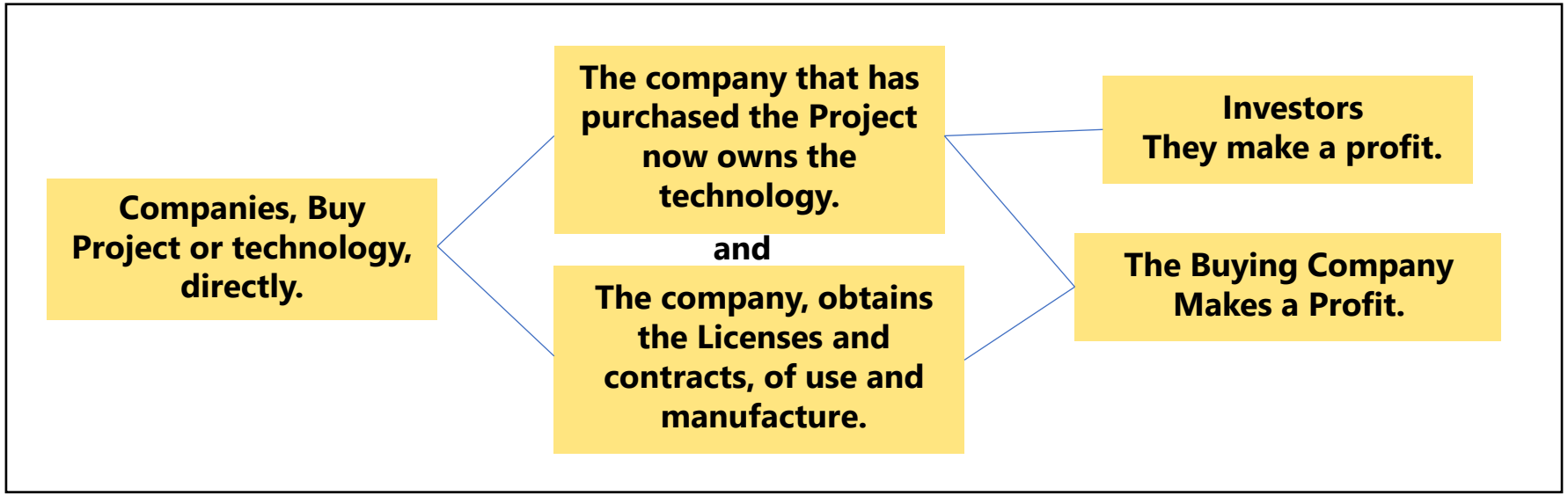
This is the Business Model of SolidEnergetics, in this model we can see the 1st Invesroes scheme, where we can see that when an investor invests in the Project, he obtains profits when a company acquires or buys a license.



In this model we can see the 2nd Company Buying Project scheme, where we can see that if they buy the patent, or the Project, or a module of the Project, they obtain the distribution and production contracts that we have already signed as well as the manufacturing and marketing rights.



Contractual guarantees and institutional support

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At Solid Energetics, all our contracts include clear guarantees, both for licensees and investors.

🔒 **We are a company endorsed by the European institutional environment and our technology is protected by a patent registered in the European patent system.**

💡 **If a company needs a demonstration or technical validation, we carry out tests without any problem, as long as there is a signed agreement with mandatory payment intention. This allows us to protect our technology formula against attempts to copy or use it unauthorised. As for our investors, they are confident that they are backing a solid technology, developed and registered in Europe, with high potential for return through licensing or sale of modules.**

Oficina Española de Patentes y Marcas

WIPO WORLD INTELLECTUAL PROPERTY ORGANIZATION

Europäisches Patentamt · European Patent Office · Office européen des brevets

CERN

Industry Analysis

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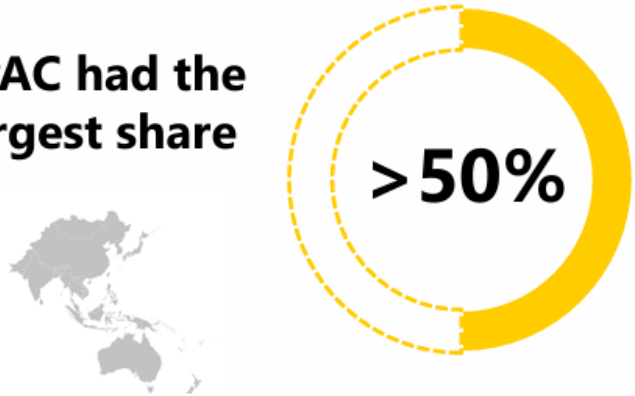
Drivers of growth

- Growing concern about greenhouse gas emissions.
- Increasing government initiatives are facilitating the adoption of Solid Electrolyte.

The growth of the market accelerated to a CAGR (2021 – 2024)

APAC had the largest share



The battery capacity category from 20 mAh to 500 mAh accounted for the largest market share

46% The biggest growth will come in the Americas

37% The biggest growth will come from Europe

Companies in the market

BOLLORÉ

TOYOTA

ProLogium

IONIC

QuantumScape

Sectors of application

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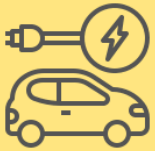

Automotive & Transportation

Solar and Consumer Energy

Capacitors & Electronics

Aerospace Technology

Military Technology

Drones and Agriculture

Technology Naval

Robotic technology

Medical devices

Construction & Machinery

Consumer Electronics

Conventional batteries

Colonization Planetary

Railway Industries

Value by Sector 1

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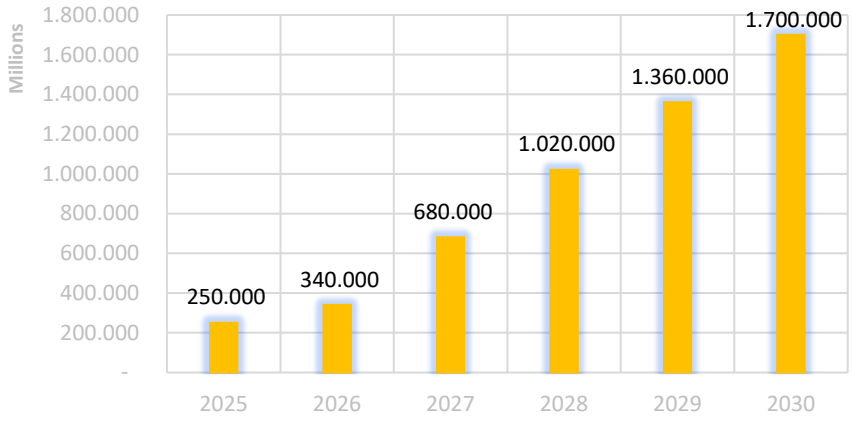
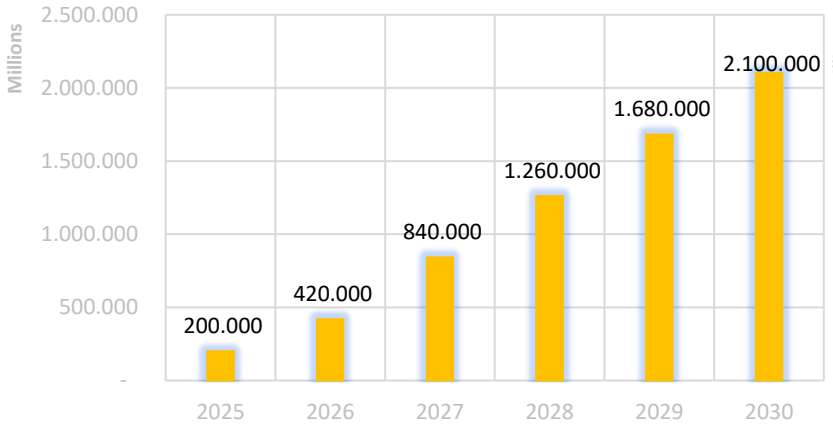
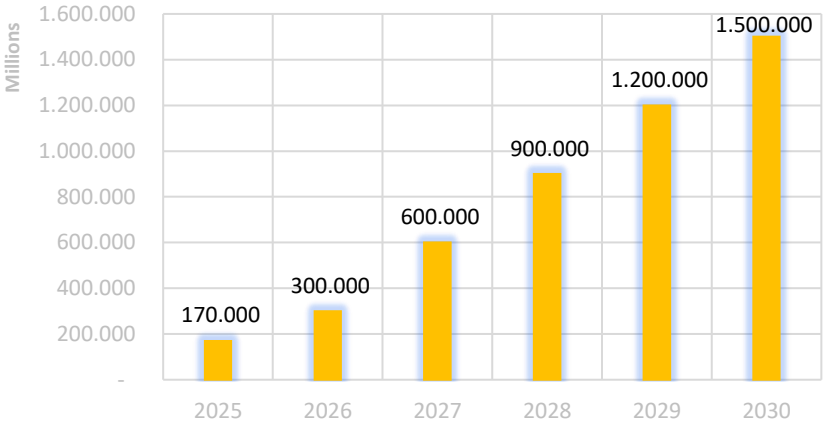
Automotive & Transportation



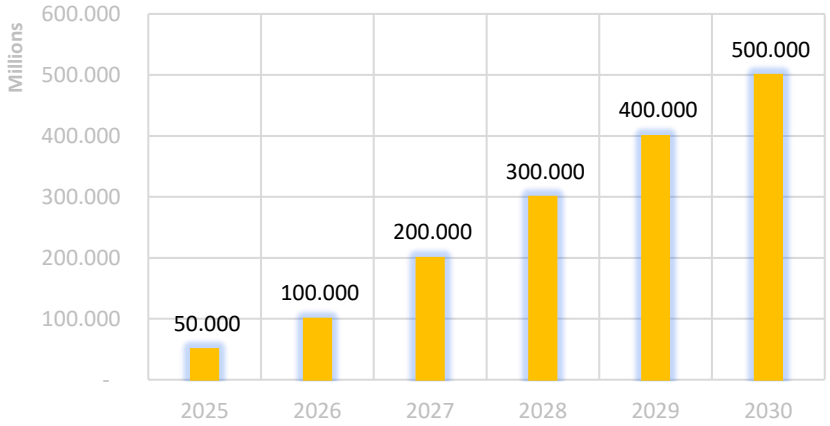
Solar & Consumer Energy



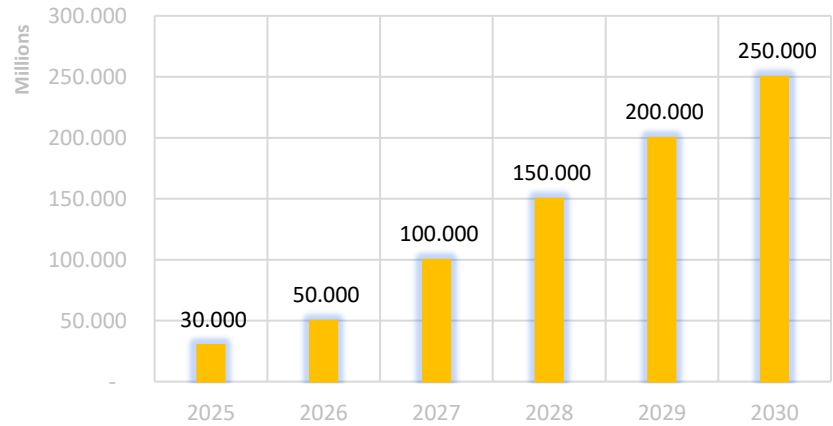
Capacitors & Electronics



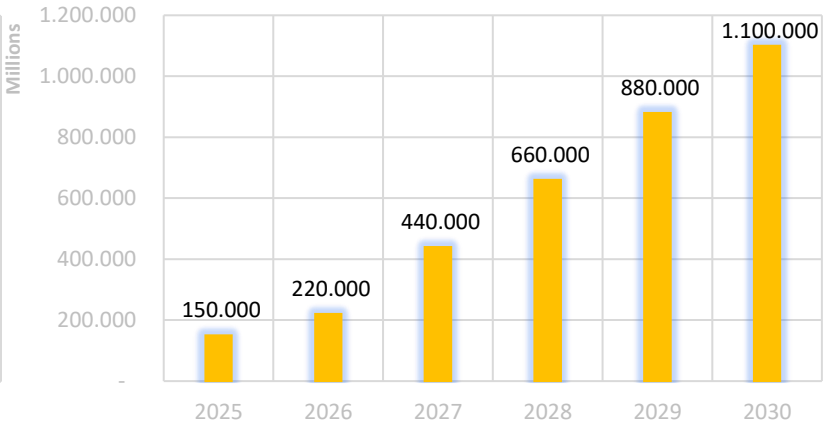
Military Technology



Drones & Agriculture



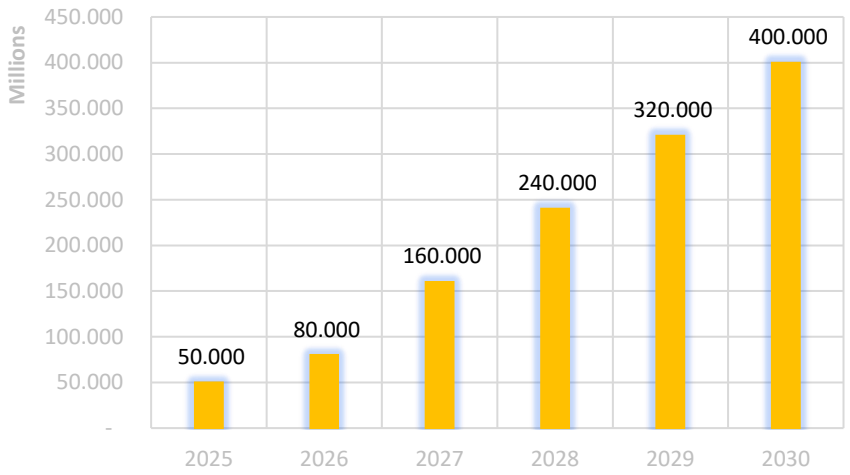
Aerospace & Technology



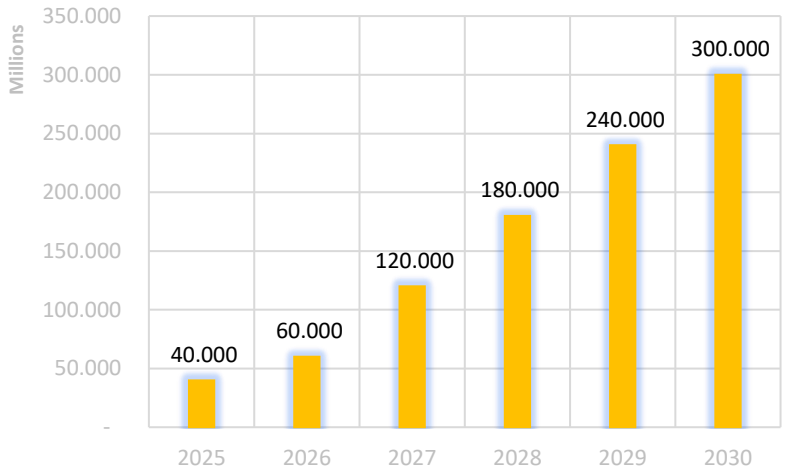
Value by Sector 2

SOLID ENERGETICS ECO TECHNOLOGIES

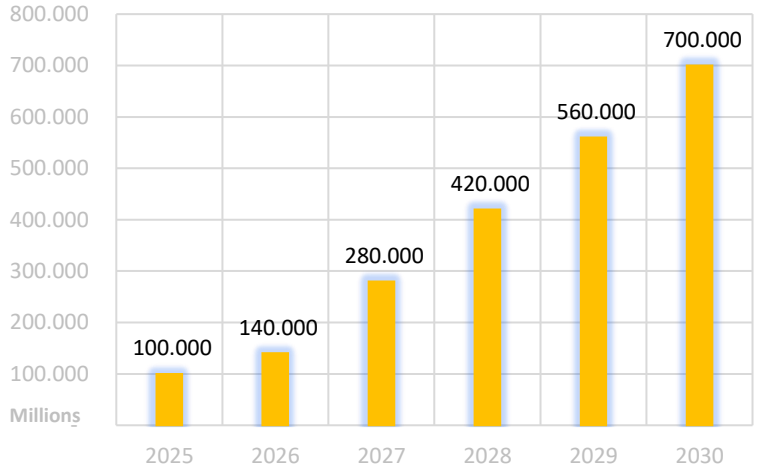
Medical Devices



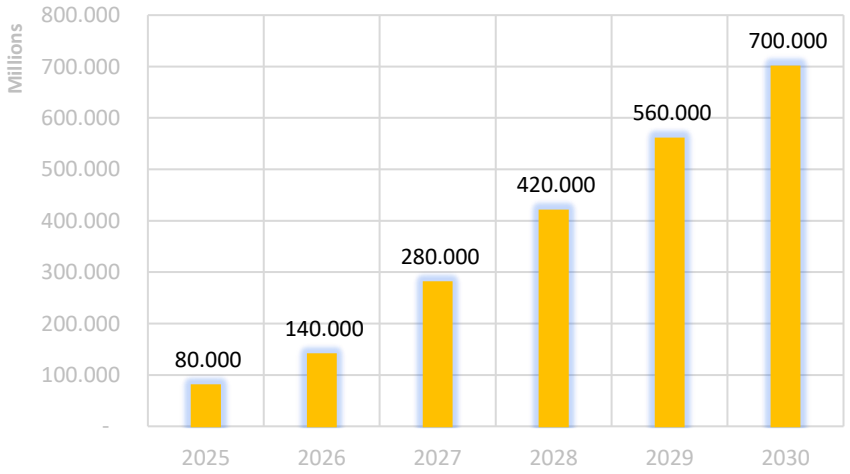
Naval Technology



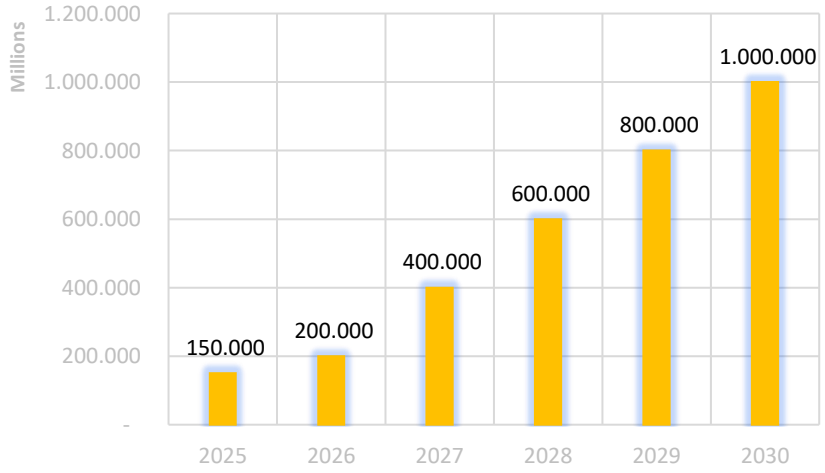
Robotic Technology



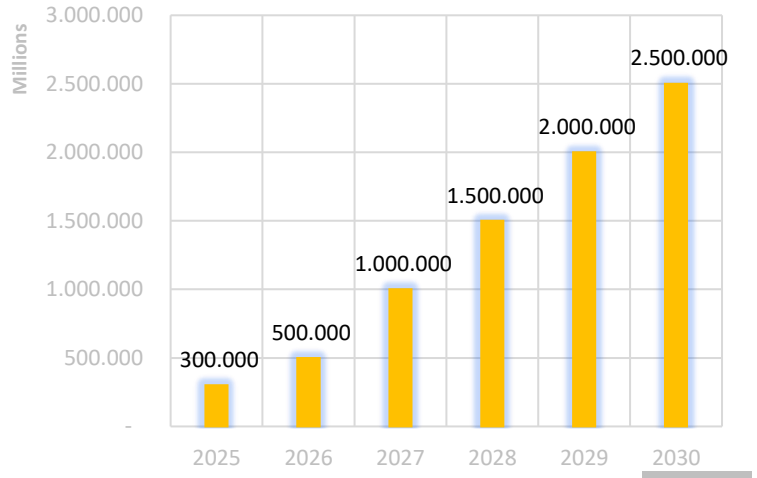
Construction & Machinery



Consumer Elecronics



Conventional Batteries



Value by Sector 3

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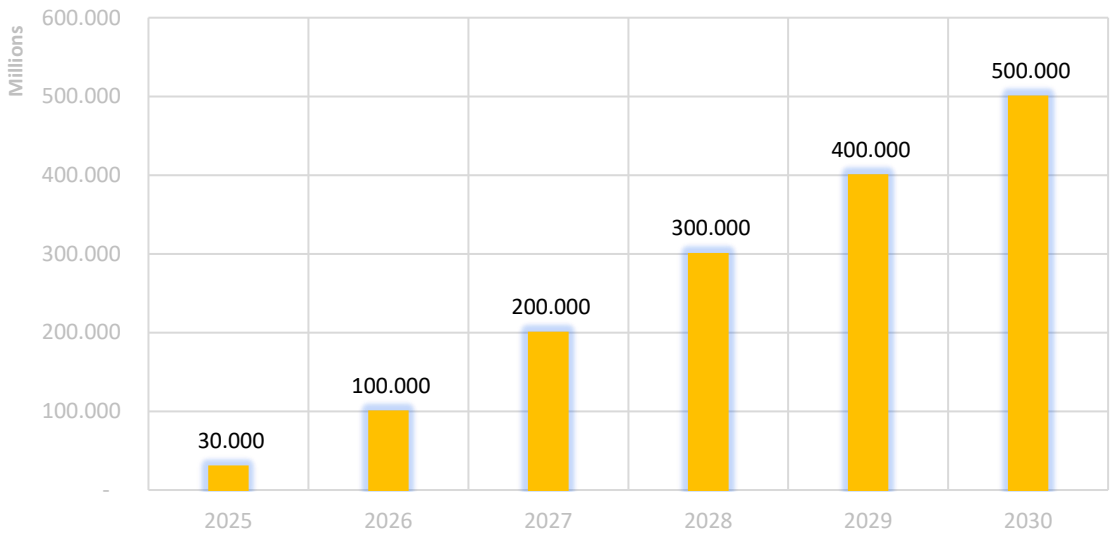
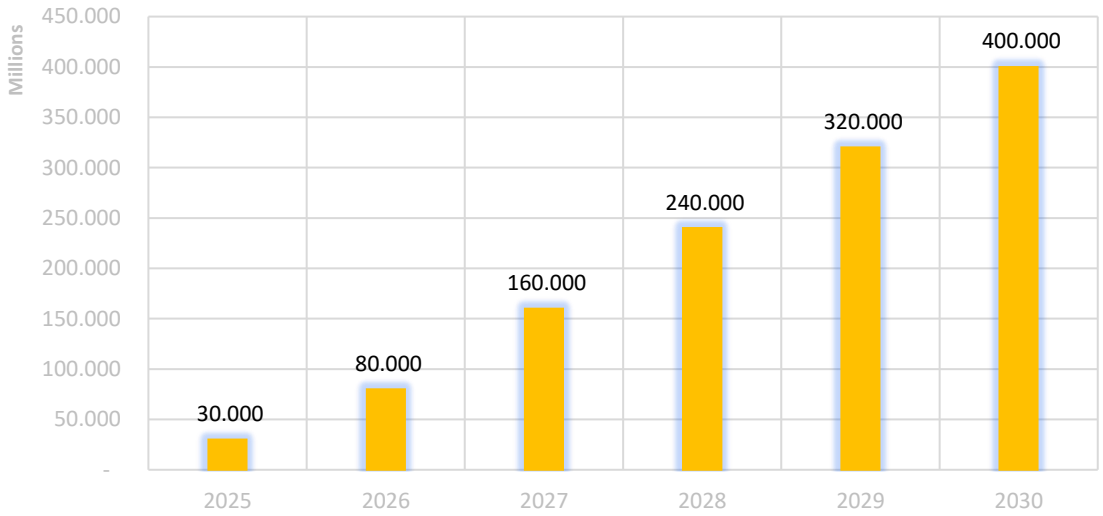
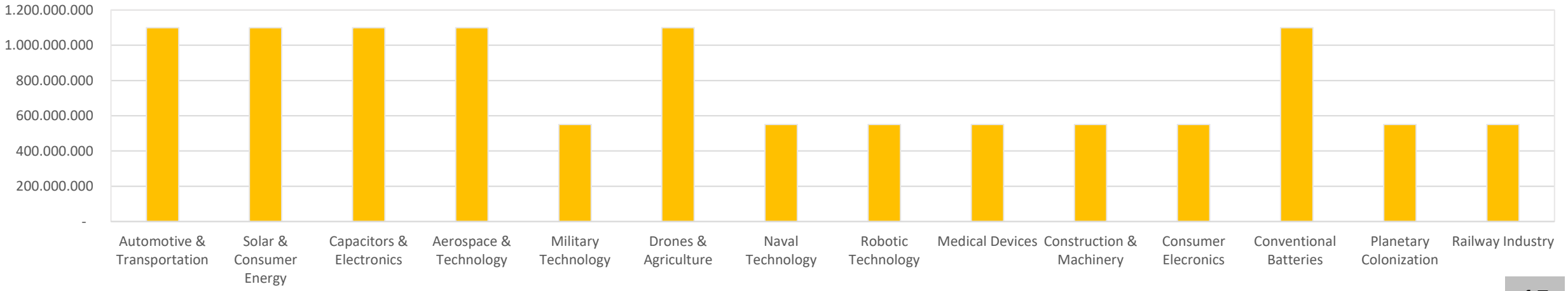
Planetary Colonization



Railway Industry



Growth Summary



Thank you

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