



ANDRITZ SOVEMA

TURNKEY SOLUTIONS FOR LEAD-ACID BATTERIES

A GLOBAL PARTNER FOR
THE BATTERY INDUSTRY

ANDRITZ

Rooted in legacy. Driven by innovation.

ANDRITZ Sovema is a renowned supplier of equipment for battery production since 1969. The product range includes turnkey solutions for lead-acid battery manufacturing, and cell assembly and finishing equipment for lithium-ion cell production.

ANDRITZ Bitrode offers an extensive product line of battery formation and laboratory test equipment, as well as software tools, battery simulation and manufacturing automation tools appropriate to all battery applications and chemistries.

For decades, Sovema and Bitrode have stood for excellence in battery manufacturing. Now, as ANDRITZ Sovema and ANDRITZ Bitrode, that legacy continues – with the same people, the same passion, and the same deep expertise.

What's new? A global network. More digital innovation. More sustainable solutions. As part of ANDRITZ, we are more equipped than ever to shape the future of energy storage and power the battery industry's success.

ANDRITZ. FOR GROWTH THAT MATTERS.

- **1969**
SOVEMA is founded as a business unit of Uranio, a battery manufacturing company based in Verona, Italy.
- **1992**
SOVEMA is spun off as an independent company: Sovema S.p.A.
- **2005**
SOVEL (SOVema Electronics) is established as a business unit for manufacturing formation systems.
- **2008**
Sovema acquires Bitrode Corp., a leading company in lab testing equipment founded in 1957.
- **2011**
SOLITH (Sovema LITHium) is established as a business unit for Lithium-ion cell manufacturing.
- **2022**
ANDRITZ acquires Sovema Group and Bitrode Corporation.
- **2025**
Sovema Group changes its company name to ANDRITZ Sovema. The integration process within the ANDRITZ Group continues, with the goal of combining expertise to deliver increasingly innovative solutions.



Our strengths – the foundation of everything we do.

At the heart of our success lies a strong set of values that guide every decision, every innovation, and every partnership. Together, these values shape who we are—and power everything we aspire to be.



Efficiency

After hundreds of projects, we know batteries and how to make them. We optimize every step of our operations to deliver high-performance solutions with minimal waste and maximum value.



Reliability

We have been on the market with professionalism for over 50 years. Our equipment and services are built to last, and so are our relationships. We stand by our commitments, ensuring consistent quality and support.



Innovation

We look to the future by continuously investing in research and development. Innovation is at the heart of our mission to drive the progress in the industry.

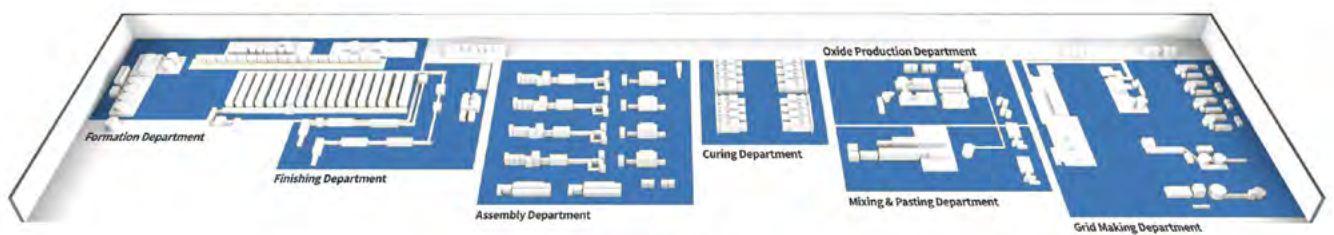


Sustainability

We keep evolving our equipment and supporting the energy transition, by committing to energy efficiency and environmental friendliness, making us a reliable and sustainable choice for your needs.

Turnkey plants for lead-acid battery production.

ANDRITZ Sovema offers fully customized turnkey solutions for lead-acid battery manufacturing, working in close partnership with our customers to design and deliver complete, integrated plants. From initial concept to final commissioning, we manage every stage of the project to ensure seamless execution and optimal performance.



- 20+ turnkey lead-acid battery plants delivered worldwide
- Tailored layouts to meet specific production needs
- Certified engineering and production
- Shipping and delivery worldwide
- On-site installation, training, and after-sales support
- Proven global presence with turnkey plants operating efficiently in multiple countries



Our services: tailored support for every need.

TECHNICAL ASSISTANCE



A highly-skilled and passionate team supports our customers worldwide by providing technical consultancy and on-site intervention.

SPARE PARTS



Our spare parts sales team recommends suitable spare parts packages to ensure a very long lifetime of our equipment.

Also available: original spare parts area with customized catalogue to easily find the suitable spare parts!

WORLDWIDE SHIPMENT



Our shipping team can provide turnkey shipping services and high-level support to ensure proper handling of customs clearance procedures and smooth delivery of both equipment and spare parts.

Solutions for lead-acid batteries.

Our company has a track of record which spans over five decades and has developed a solid know-how in all the production phases, becoming a worldwide leading company in lead-acid battery manufacturing technologies.

Oxide production

Our equipment produces high-quality lead oxide using technologies that ensure consistency and performance. Our process is designed ensuring sustainability and low environmental impact, while maintaining strict control over particle size and purity—key factors for optimal battery performance.

Grid making

We offer advanced solutions for the production of battery grids, combining precision, efficiency, and adaptability. Our technologies support either punching and continuous casting technology, as well as expanded metal processes and traditional gravity casting process ensuring consistent thickness, excellent mechanical strength, and high repeatability.

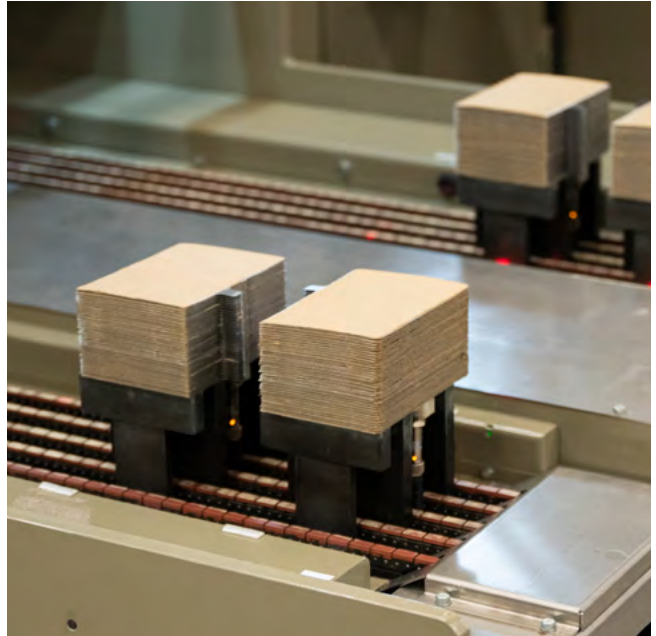
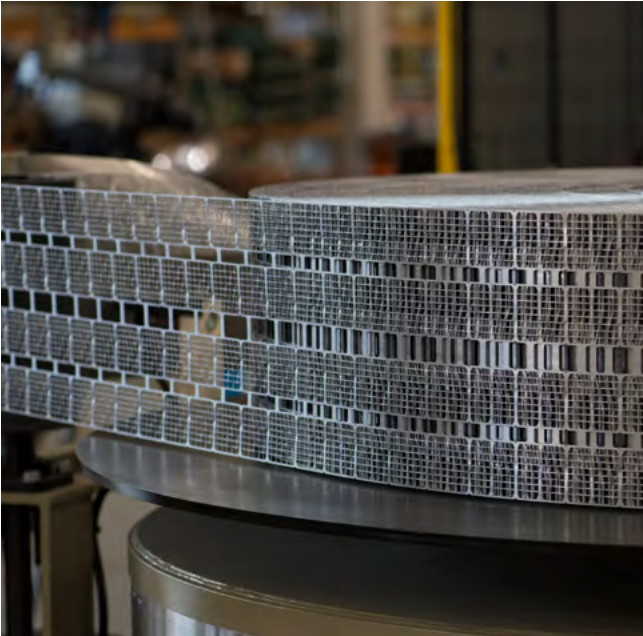
Assembly

Our assembly solutions ensure high-quality battery production across all capacity levels. Designed for format flexibility, our lines ensure reliability, repeatability, and seamless integration into the overall production flow.

Formation

Our chargers combine energy efficiency and process flexibility. Real-time diagnostics and remote management capabilities ensure full control, safety, and traceability throughout the process, supporting consistent and reliable battery performance.





Mixing and Pasting

Our equipment prepares a homogeneous lead paste by carefully controlling temperature, humidity, and mixing parameters. This ensures consistent quality and optimal chemical composition, laying the foundation for high-performance battery plates.

Our pasting systems apply the lead paste onto grids with high precision and uniformity. The process ensures excellent adhesion and consistent thickness, supporting stable plate formation and long-term durability of the battery.

Curing

Our curing chambers provide a controlled environment to stabilize the chemical structure of the plates. By carefully managing temperature, humidity, and cycle duration, the process enhances material bonding and ensures uniformity across batches. This contributes to long-lasting plate integrity and consistent production quality.

Finishing

Our systems ensure that each unit meets quality standards and customer specifications, with automated checks and traceability features that support reliable and efficient end-of-line operations.

Testing

ANDRITZ Bitrode's systems ensure performance validation, safety, and compliance with industry standards, supporting production environments with precision and reliability.



THE ANDRITZ COMPETENCE

International technology group ANDRITZ provides advanced plants, equipment, services, and digital solutions for a wide range of industries, including pulp and paper, metals, hydropower, environmental, and others. Founded in 1852 and headquartered in Austria, the publicly listed group employs about 30,000 people at 280 locations in over 80 countries. As a global leader in technology and innovation, ANDRITZ is committed to fostering progress that benefits customers, partners, employees, society, and the environment. The company's growth is driven by sustainable solutions enabling the green transition, advanced digitalization for highest industrial performance, and comprehensive services that maximize the value of customers' plants over their entire life cycle. ANDRITZ. FOR GROWTH THAT MATTERS.

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