The CRU logo is a white square with rounded corners containing the letters 'CRU' in a bold, white, sans-serif font.

CRU

**Data, Insight,
Strategy &
Communities**

The background of the brochure is a photograph of a lithium landscape. It features a bright blue sky with a sun flare, a range of brown mountains in the distance, a white salt flat in the middle ground, and a turquoise-colored lithium brine pool in the foreground. The pool is surrounded by white salt deposits.

CRU Lithium Solutions Brochure



Our Services

Lithium is central to the global shift towards the electrification of society. However, the lithium industry faces ongoing and intensifying challenges – from volatile pricing and uncertain demand growth to localisation policies and rising production costs. Stakeholders – from miners to battery manufacturers – need trustworthy analysis underpinned by robust and transparent data to make decisions they can be confident in.

CRU offers the most comprehensive and connected view of the lithium supply chain available to the industry. Our suite of services provides asset-level intelligence; granular supply, demand, trade flow and price forecasts; through to analysis and insight into the impacts of next-generation battery technologies. CRU's data helps clients negotiate commercial terms, navigate operating margin pressures, evaluate acquisition and investment opportunities and manage risk across the supply chain.

Backed by decades of raw materials expertise, rigorous data standards and technical research into end-use demand, we enable clients to anticipate how macro and technological forces will shape the market – today and in the years ahead.

Data and Expertise Across Key Areas



End-to-end supply chain coverage

Price assessments, supply-demand forecasts and asset data across lithium mining and refining, extending through to cathode & battery manufacturing and end-use markets.



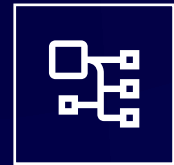
Granular asset intelligence

2020 - 2050 asset-level production, cost, technology, feedstock and financial data for lithium mining and refining facilities globally.



Integrated access and delivery

Web-based access to lithium asset data via CRU's [Asset Platform](#), with advanced analysis and integration enabled through [DataLab](#), Excel Add-in and API connectivity.



Benchmarking & strategic decision support tools

Global comparison across all asset metrics, along with scenario tools and long-term forecasts for tactical planning, strategy formulation and investment decisions

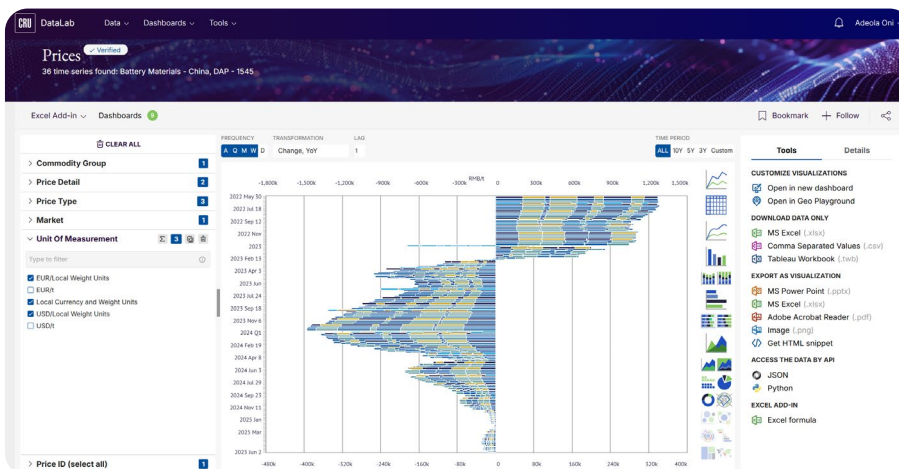


Unlocking value across the lithium supply chain

CRU's comprehensive lithium coverage provides detailed data and insight to support better-informed decisions across the lithium supply chain

Independent pricing for lithium carbonate and hydroxide to gain strategic advantage

- Access CRU's independent spot price assessments and expert commentary for lithium carbonate and lithium hydroxide. These trusted benchmarks help clients evaluate market movements and support negotiations with confidence.



Forward-looking lithium market intelligence for confident decisions

■ End-use demand modelling:

Tracks lithium demand across global markets, analysing how government policy, corporate strategy and technology trends are shaping future growth. Includes monthly regional sales and production data of emerging applications.

■ Cathode manufacturing:

Covers an often opaque and fast-evolving midstream sector with insight into investment trends, technologies and material developments. Includes monthly data on manufacturing activity and inventory levels by chemistry, alongside techno-economic analysis of current and next-generation materials. Strategic roadmaps and input from CRU's [Battery Cost Service](#) provide deeper context on market direction and key players.

■ Supply and project investment analysis:

Provides detailed insight into upstream development, including mine and refinery-

level data on feedstock types, extraction methods and project stages. Leverage reserve databases and probability-weighted project assessments to evaluate the full supply pipeline – across both concentrates and chemicals – and understand how capital expenditure differs by region and technology.

■ Price forecasts:

Offers five-year price forecasts for spodumene concentrate, lithium carbonate and lithium hydroxide, on spot, contract and trade-weighted terms to support forward planning in procurement, contracting and investment.

■ Supply chain mapping:

Gain visibility into supplier relationships and feedstock flows. Understand who supplies whom, their commercial terms and where raw materials and chemicals are being delivered across the lithium supply chain.

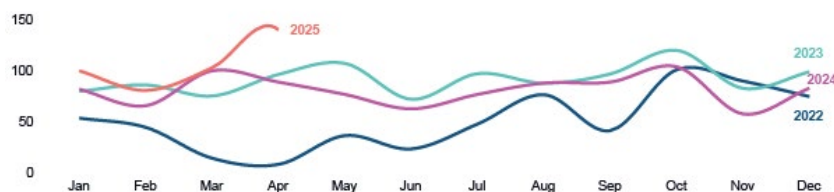
BEV sales set to account for over 50% of total light vehicle sales by 2030

China BEV sales, production and market share, million units (LHS) and %(RHS)



BEV exports bounce back after tariff headwinds in the second half of 2024

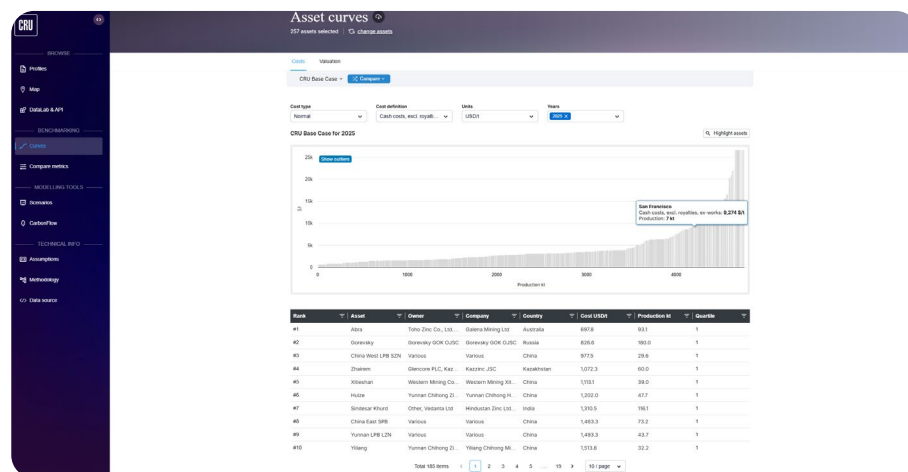
China BEV exports, thousand



Comprehensive asset intelligence in a central platform

CRU's web-based Asset Platform delivers interactive access to production, operating costs, capital expenditures, technical and valuation data for lithium brine, pegmatite and sedimentary mines and integrated and non-integrated lithium carbonate and lithium hydroxide refineries globally, with projections to 2050.

- **Data that goes deeper:** Quickly benchmark technical variables across lithium mine and refining operations. Access bottom-up data on costs, production volumes, recovery rates and feedstock characteristics. Compare performance at the asset, company, country and regional levels.
- **Long-term forecasting tools to guide investment:** Access forecasts through to 2050 (or depletion year), supported by bottom-up data and quarterly updates. Forecasts reflect localised assumptions, including energy, reagents, labour and logistics inputs by country.
- **Transparent financial and valuation performance:** Gain a clear and reliable view of asset value for the most important lithium mining sites globally – using standard financial metrics such as NPV, IRR, profitability index and payback period to support capital planning and project assessment.
- **Advanced tools support customised scenarios:** Input and save macroeconomic and price assumptions using the web-based scenario tool to rerun asset cost summary tables, cost curves and asset valuations – without the need for desktop models.



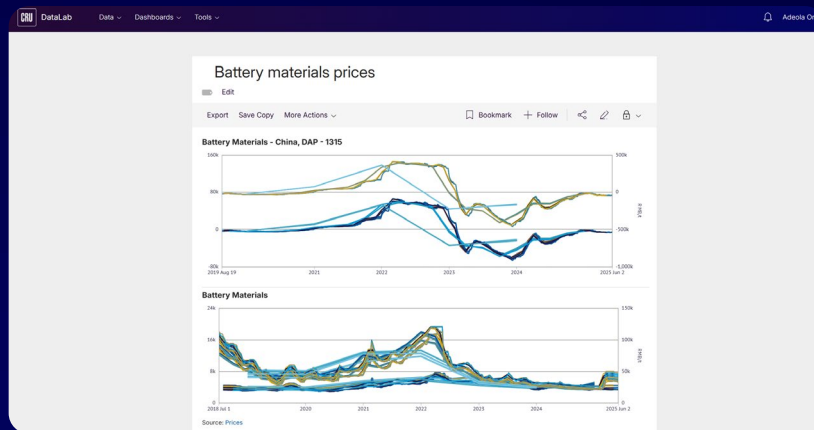
Integrated platforms and analyst support for actionable insight

CRU's Lithium Services are delivered through flexible, web-based platforms designed for accessibility and usability. From interactive dashboards and Excel integration to tailored expert guidance, our tools and support enable efficient workflows and informed, strategic decision-making across teams.

CRU DataLab – connected access across data sets

Integrated into the Asset Platform, [CRU DataLab](#) provides seamless access to CRU's comprehensive lithium price and asset data. Designed for in-depth data analysis and integration, it enables faster and informed decision-making from one source of truth.

- **Custom dashboards and visualisation tools for up-to-date insights:** Save views and automate updates to stay ahead of market movements.
- **Excel add-in and API integration for seamless workflows:** Select and download bulk data to support easy ingestion of data into inhouse systems for efficient access and updates.
API access subject to subscription and license type.
- **Standardised data for cross-functional alignment:** Balanced and standardised data makes for efficient analysis across data sets.



Expert Support

CRU's global team of analysts brings deep technical knowledge, regional insight and ongoing client engagement. Whether navigating market developments, interpreting data or validating strategies, our experts offer tailored support – in Chinese, Spanish and English – to help with confident and informed decision-making.

Complementary services

Lithium plays a critical role in the energy transition as a key component in batteries for electric vehicles, stationary storage and advanced technologies. CRU's complementary services – in addition to CRU's market coverage of related battery materials such as **nickel** and **cobalt** – provide deeper insight into the downstream sectors shaping lithium demand, helping with greater context and confidence.

Specialty Phosphates Service

Offers detailed price forecasts for key market benchmarks, alongside in-depth analysis of the Lithium Iron Phosphate (LFP) battery sector – highlighting its growth implications for demand and quality standards. It offers exclusive insights into China's production landscape, including demand trends, capacity expansion and trade flows.

[Learn more](#)

Battery Value Chain Service

Offers a complete view of the battery supply chain from raw materials to end-use applications. Covers regional and technical demand trends, tracks developments in cathode, cell manufacturing and maps supply relationships across the midstream. Includes insights into battery chemistries such as lithium iron phosphate (LFP) and nickel manganese cobalt (NMC), enabling strategic planning for procurement, technology development and market positioning.

[Learn more](#)

Battery Technology and Cost Model

Provides an intuitive tool for analysing, comparing and forecasting battery production costs and performance by technology, company and location. It allows users to assess how changes in raw material prices, including lithium, impact battery costs and competitiveness.

[Request demo](#)

Energy Storage Technology and Cost Service

Offers a unique outlook on stationary energy storage technologies, encompassing price, cost, policy, and commodity analysis. This service is particularly relevant as stationary storage becomes an increasingly significant driver of lithium demand beyond electric vehicles.

[Learn more](#)

Power Transition Service

Provides a comprehensive view of how the global shift from fossil fuels to renewable energy sources is reshaping electricity generation and demand, along with its implications for metals and mining companies. By illustrating how the transition to electrification and renewables drives demand for critical materials like lithium, this service supports strategic planning in the context of the green transition.

[Learn more](#)

Bespoke support for strategic projects

Experience counts, and CRU has the strongest pedigree in advising the world's biggest technological and industrial businesses on game-changing strategies. From decarbonisation initiatives to ensuring compliance with upcoming policy changes, we have advised thousands of organisations through countless scenarios, including:

- Strategic planning – acquisitions and growth, emissions and procurement
- Market decisions – specialised market studies, lenders' market reports
- Valuation – feasibility studies, M&A support, specialised valuation of business elements
- Negotiation support – assistance with contract reviews, negotiation and risk assessment
- Operational improvements – performance assessment, supply chain reviews, supplier assessment
- Policy analysis and advocacy – independent market assessment and industry impact assessment

Contact us

Request a *demo* now

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