



1st Circular

43rd International Conference and Exhibition ICSoba 2025



26-31 October 2025
Nanning, China & online



<https://icsoba.org/>

INVITATION

Dear Colleagues,

The International Committee for the Study of Bauxite, Alumina, and Aluminium (ICSoba) is proud to announce the **43rd International Conference and Exhibition**, which will be held from **26 to 31 October 2025** in **Nanning**, Guangxi Province, **China**.

This marks the third time that ICSoba will take place in China, and the very first time in Guangxi.

The conference will adopt a hybrid format, with the in-person event hosted in Nanning and a real-time broadcast available for participants unable to attend physically. However, **all ICSoba presenters are expected to travel to China to deliver their presentation on-site**.

We extend our sincere gratitude to Chinalco for their generous support as the Host Sponsor of the event and welcome the support of the Nonferrous Metals Society of China.

Featuring **4** keynote sessions and over **250 technical papers**, the ICSoba 2025 conference is designed as a **4-day technical event**, followed by a full day dedicated to technical field trips. We look forward to seeing you at ICSoba 2025!

KEY DATES / DEADLINES

31 May 2025	●	Full paper submission
15 June 2025	●	Registration starts
1 August 2025	●	Draft program published
8 September 2025	●	Presentation submission
26 October 2025	●	Conference opens

CONFERENCE TOPICS

ICSoba 2025 will place a strong emphasis on addressing the critical challenges facing the aluminium industry across the entire value chain, from bauxite mining to smelter casting operations.

The conference will delve into key topics:

- Sustainability and decarbonisation
- Energy challenges
- Digitalisation and Artificial Intelligence applications
- Health, environment, and safety
- Market scenarios and economic outlook
- Innovation and new technologies.

While keeping with the main fields of bauxite-alumina-aluminium, the conference will focus on maintaining a high scientific and technical innovation nature focused on industrial application of scientific results to pilots and plants.

Don't miss this unique opportunity to engage with international experts, scientists, engineers, technology providers, equipment manufacturers, and key players from the global aluminium industry.

WHAT IS NEW IN THIS CIRCULAR?

- Venue and hotel booking
- Registration fees and **visa support**
- Program highlights and Keynote speakers
- ICSoba 2025 President / Vice-President
- IFCURM Meeting

PROGRAMME OVERVIEW

With **14** keynote papers presented in **4** keynote sessions and over **250** technical papers, the ICSOBA conference is planned as **4-day technical conference** arranged in 5 streams followed by one full day for technical field trips.

- Sunday 26 October p.m. – registration, welcome reception,
- Monday 27 to Thursday 30 October – Keynote and technical sessions,
- Monday 27 October – Gala Dinner,
- Friday 31 October - Field trips.

IAI Bauxite & Alumina Committee and the ICFURM meeting are scheduled to take place in conjunction with the ICSOBA conference.

KEYNOTE SPEAKERS



Development Achievements and Future Outlook of China's Aluminium Industry

Kang Yi,
China Nonferrous Metals Industry Corporation, Beijing, China



Leading the Sustainable Development of China's Aluminium Industry Through Technological Innovation

Wanchao Liu,
Zhengzhou Nonferrous Metals Research Institute of Chalco, Zhengzhou, China



The Application of Key Technologies for Energy-Saving, Low-Carbon, and Digital-Intelligent Aluminium Electrolysis

Li Jie,
Central South University, Changsha, China

KEYNOTE SPEAKERS



China Hongqiao Group –A Journey of Sustainability, Advanced Technology, Research & Development and Innovation

Ron Knapp
Hongqiao group, Hong Kong, China



Practice and Innovation of Green, Low-Carbon, and High-Quality Development Driven by Circular Economy

Huaitao Zhang, Vice President of
Xinfa Group, Chipping City, China



Regional Mismatch to Coordinated Optimization: Interpreting the Development of China's Anode Industry in 2024

Bing Jiang,
Sunstone Development, Beijing, China



Global Cooperation on Key Challenges for the Aluminium Industry

Miles Prosser,
International Aluminium Institute, London, United Kingdom



Building a Responsible and Sustainable Aluminum Value Chain: The Role and Progress of Aluminium Stewardship Initiative (ASI)

Chunming Dong
Sunlight Metal Consulting, Beijing, China



The International Aluminium Institute's Bauxite and Alumina Committee: A Blueprint for Industry Collaboration

Sébastien Fortin
Rio Tinto, Saguenay, Canada



Lance Myers
Alcoa of Australia, Perth, Australia

KEYNOTE SPEAKERS



Bridging Markets-Strategies for Western and Chinese Aluminium Technology Suppliers

Michael Ren,
Sunlightmetal Consulting, Toronto, Canada



CO₂-Free Aluminium Production with Vertical Inert Anodes, Cathodes and Sidewalls

Jon H Magnusson,
Arctus Aluminium, Reykjavik, Iceland



Technical and Economic Advantages and Application Progress of NEUI600 High-Amperage Aluminum Reduction Cell

Yungang Ban
Northeastern University Engineering & Research Institute, Shenyang, China



Global Alumina and Aluminium Market Review and Outlook

Yang Cao
Fastmarkets, Shanghai, China



Journey of Hindalco, Renukoot - An Integrated Aluminum Producer in India

Sameer Nayak
Hindalco Industries, Renukoot, India

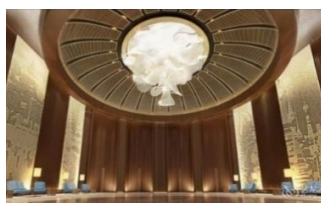
VENUE OF THE CONFERENCE

The conference venue is **Howard Johnson CAEXPO Plaza Nanning**.



[Nanning, Guangxi, China](#) [Hotel website](#)

The hotel is located nearby the Nanning Convention Center only 36 minutes drive from the Nanning Airport. The hotel also offers easy access to nearby attractions such as the Lake and Musical Park.



HOTEL BOOKING INSTRUCTIONS



A limited number of discounted rooms has been reserved for conference participants. **This year, all bookings must be made exclusively through ConfTool, at the same time as registering for the conference.** Reservations will be handled on a first-come, first-served basis.

EXHIBITION

The latest technologies, equipment, and solutions for the aluminium industry will be showcased during the ICSOBA 2025 Conference.

The exhibition will be held at the Howard Johnson Hotel, in the lobbies adjacent to the conference rooms, from **27 to 31 October** (4 days), running concurrently with the conference. This dedicated Exhibition Space will also include areas for B2B meetings and discussions.

Approximately 20 to 26 exhibitor booths will be available, each offering 6 m² of space equipped with tables and chairs. Each booth will include a power supply and Wi-Fi access in accordance with the official floor plan.

Due to the limited number of exhibition spaces, reservations will be accepted on a first-come, first-served basis.

The cost for each booth is **USD 3 500**. Please note that all exhibitors must register separately for the conference to access conference sessions and related activities. A storage room/space may be made available at the venue for exhibitors wishing to ship materials in advance.

Exhibitors who also choose to become sponsors will receive exclusive benefits and discounts, as outlined in the sponsorship packages in the [Sponsors Fees and Benefits](#) document.

Moreover, exhibitors will benefit from enhanced visibility through the Conference App and website.

For more information about the exhibition, please contact **Dr. Bijoy Satpathy** at bijoy.satpathy@icsoba.org.

TECHNICAL FIELD TRIPS

During the conference, technical field trips will be hosted by two subsidiaries of **Chinalco**, one of the world's largest aluminium producers. Participants will have the unique opportunity to visit an alumina refinery and an aluminium smelter.

- **Alumina Refinery - Guangxi Branch of Chinalco.** Established in 2002, Guangxi Branch of Chinalco is a state-of-the-art production facility with an annual output of 6 million tonnes of bauxite and 2.4 million tonnes of alumina. It stands as one of China's most advanced and innovative production bases.



- **Aluminium Smelter - Guangxi Hualei New Material Co., Ltd.** Founded in 2015, Guangxi Hualei New Material Co., Ltd. is an integrated enterprise specializing in primary aluminium production, power generation, and aluminium processing. With an annual capacity of 400 000 tonnes of primary aluminium, it leverages cutting-edge 500 kA cell technology, setting a benchmark for excellence in the aluminium industry.

SOCIAL EVENTS

ICSOBA is looking at having social events showcasing local culture on Tuesday 28/10 and on Wednesday 29/10. Please refer to the latest details at <https://icsoba.org/2025/> website.

REGISTRATION FEES PAYMENT and REFUND

To register, please use ConfTool which is customized for ICSOBA 2025 <https://www.conftool.net/icsoba2025/>.

Payment policy:

- ICSOBA is expecting all participants to pay the conference fee when they register through the provided online payment option within ConfTool.
- If the registration fee is not paid at the corresponding period (Early bird, Regular, Late, Last minute) end date, registration for the conference will be automatically cancelled, unless a special agreement with the organizers is made.
- Participants will receive a reminder of this open payment one week before the corresponding deadline.

Refund policy:

ICSOBA understands there could be circumstances when a participant who has paid his/her conference fee must cancel his/her conference participation. To be consistent with ICSOBA's encouragement to early registration, an enhanced refund policy has been defined:

- A cancellation received by ICSOBA (info@icsoba.org) more than two weeks before the opening date of the conference (i.e. **received before 10 October**) will lead to a full refund of the total amount paid (conference fee plus optional registration), minus 50 USD processing fee.
- A cancellation received by ICSOBA (info@icsoba.org) **after 11 October** will lead to 25 % refund of conference fee paid.

TRAVAUX

Due to the very large number of papers for this year's conference, **we do not plan to print a conference proceedings book**. The Travaux volumes and individual papers of 2025 conference will be published at ICSOBA website <https://icsoba.org/proceedings/>.

CONFERENCE FEE STRUCTURE (USD)

Category		up to 31/7 Early Bird	1/8 - 15/9 Regular	16/09 - 10/10 Late	11/10 - 20/10 Last Minute
Conference	Speaker (register before 15/9)	1200	1200	n/a	n/a
	Corporate speaker	1080	1080	n/a	n/a
	Participant	1200	1400	1700	2100
	Corporate participant	1080	1260	1530	1890
	Student, Retired	500	500	600	800
	Exhibitor participant	1080	1260	1530	1890
	Exhibitor, exhibition only	600	700	850	1050
Online conference	Participant	500	500	500	500
	Corporate participant	450	450	450	450
Tue 28/10 social event		50	50	50	50
Wed 29/10 social event		50	50	50	50
Refinery visit return trip		100	100	150	250
Smelter visit return trip		100	100	150	250

REFUND POLICY

	up to 31/7 Early Bird	1/8 - 15/9 Regular	1/10 - 10/10 Late	1/10 - 30/10 Last Minute
Full refund less 50 USD administrative fee				25% refund
Registration automatic cancellation*	24/07	08/09	03/10	10/10

*On these dates, all registered participants who have not paid their registration fee (on ConfTool) will receive an email informing them that, to keep this rate, their payment must be received by xx/yy. On this date, and unless a specific agreement is reached with ICSOBA management, their registration will be automatically cancelled, and they will have to re-register at the rate of the day.

VISA SUPPORT and INVITATION

Please check if a visa is needed for your trip. Then, when registering in ConfTool, choose to receive an invitation letter from CHINALCO for obtaining your visa for China. You will be able to download the visa process directly from ConfTool and will then need to send the written request directly to CHINALCO. A participation letter for your employer is also available from ConfTool if required.

CONFERENCE FORMAT

The hybrid format of the conference ensures that you can participate whether you travel to Nanning or join from home. Here is what distinguishes on-site participation from online participation:

- **On-site participants** will enjoy the full experience of a traditional ICSOBA conference, including:
 - Access to papers and presentations prior to the conference opening.
 - Participation in technical sessions, exhibitions, field trips, and social events.
 - The exclusive opportunity to present papers in person.
 - On-demand access to recorded presentations via the conference platform.
- **Online participants** will benefit from:
 - Access to papers and presentations before the conference begins.
 - Live attendance at scheduled sessions (based on Nanning local time).
 - On-demand access to recorded presentations through the conference platform.

This hybrid approach ensures an inclusive and enriching experience for all attendees, regardless of their location.

We look forward to seeing you at ICSOBA-2025!

CONFERENCE LANGUAGES

Presentations will be shown and delivered in both English and Chinese, with simultaneous translation provided to ensure accessibility for all attendees. All papers and presentations will be published and made available for download in PDF format on the ICSOBA website. Additionally, the **papers will be indexed** on platforms such as **Google Scholar** and **ResearchGate**, complete with **DOI** references.

This year again we use ConfTool <https://www.conftool.net/icsoba2025>, which is accessible in China and has been customized for the ICSOBA 2025 Conference to support both Chinese and English languages.

PAPERS REVIEW

At this stage, the Organizing Committee is carrying out the technical review of the papers with the aim of keeping with the high ICSOBA standards and inviting submission of presentations. Please use the [ICSOBA 2025 Presentation Template](#) when making your presentation.

JOINT ORGANISING COMMITTEE

ICSOBA has set up a Joint Organisation Committee with Zhengzhou Research Institute of Chinalco to ensure smooth coordination.

ICSOBA:	ZRI/CHINALCO:
Mr Bernard Allais Mr Matthieu Arlettaz Dr Claude Vanvoren	Mr Liu Wanchao Ms Yan Kun Ms Du Tingting Mr Yang Hao Ms Chen Shouhui

ICSOBA 2025 TECHNICAL COMMITTEE

Paper review is made by ICSOBA Technical Committee under the leadership of the Program Directors Dagoberto Severo and Subject Organizers, joined this year by Chinese representatives Li Jie, Chen Kaibin, Liu Wanchao and Subject Organizers from Chinese Aluminium Industry. They are supported by a team of more than 60 reviewers representing the global aluminium industry.

The subject organizers are:

Subject	Subject organizer	
Keynotes	Stephan Broek, Michel Reverdy	Li Jie, Chen Kaibin, Liu Wanchao
Bauxite, Alumina, Bauxite Residue	Andrey Panov, Sébastien Fortin, Thymis Balomenos	Qi Lijuan, Guo Xin, Li Yu, Zhang Tingan, Yang Huibin, Li Guihua Li Zhiguo, Lv Guozhi, Liu Zhongkai, Liu Xiaoming
Aluminium Electrolysis	Vinko Potocnik, Claude Ritter	Wang Huaijiang, Liu Fengqin, Liang Xuemin, Zhang Yanan, Yan Feiya, Gao Bingliang
Carbon	Francesco Baccalà	Luo Yingtao, Xiao Jin, Zhong Qifan
Casthouse Operation	Joseph Langlais	Zhang Jiao, Su Peng

FOR STUDENTS



ICSoba is once again encouraging student participation in the conference through the ICSoba Student Award. Students are invited to submit their applications along with their abstracts. The ICSoba Award Committee will evaluate the submissions and notify the winners of the award, which typically ranges from **500 to 1000 USD**.

[The Application Form is available on the ICSoba website.](#)

IFCURM MEETING

The International Forum on Comprehensive Utilization of Bauxite Residue an international conference jointly organised by the China Nonferrous Metals Industry Association (CNIA) and the International Aluminium Institute (IAI) with support from the Aluminum Corporation of China (CHINALCO) and Rio Tinto Group (RT) will take place after ICSoba conference.



The forum serves as an unparalleled platform for global knowledge exchange, bringing together world-leading experts, innovative practitioners, policy makers and industry leaders to foster collaboration and accelerate practical solutions. Delegates will have the opportunity to engage directly with pioneering research entities from both China – the global leader in bauxite residue innovation – and international counterparts who offer valuable insights and experiences from diverse geographical contexts. By attending, participants will play a crucial role in shaping international strategies and partnerships aimed at significantly reducing bauxite residue generation, enhancing sustainable remediation practices, unlocking commercial opportunities in construction and metal extraction, and ultimately driving the industry toward a more sustainable and environmentally responsible future.”

<https://www.ifcurm.com/>

<https://www.ifcurm.com/en/web/registration>

ABOUT NANNING

Nanning is the capital of the Guangxi Zhuang Autonomous Region in southern China, 160 km from the border with Vietnam. Nanning is situated in a hilly basin with elevations between 70 and 500 m above sea-level. It is known as the "Green City" because of its abundance of lush subtropical foliage.



Nanning is the centre of science and technology, education, culture and health in Guangxi Zhuang Autonomous Region. Nanning is ranked one of the top 200 science cities in the world.



ABOUT THE ORGANISER



The International Committee for Study of Bauxite, Alumina and Aluminium (ICSoba) is an independent non-profit association that unites industry individual and corporate members representing major bauxite, alumina and aluminium producing companies, technology suppliers, researchers and consultants from around the world. The main objective of ICSoba is to promote the exchange of ideas and results of the work from different fields of research and current practice from bauxite mine to primary aluminium.

Since 1963, for 62 years, ICSoba annual technology conference is organized in different parts of the world and proceedings are published as TRAVAUX volumes.

The vision of ICSoba to become the “Technology Conference of the Aluminium Industry, for the Aluminium Industry” has received support of over 60 major companies who are participating in the yearly ICSoba Corporate Member Council to voice their view and influence ICSoba strategy.

As a company active in the aluminium industry, you are most welcome to join the Council <https://icsoba.org/corporate/>

ICSoba 2025 CORPORATE MEMBERS

			Your company logo can be here...

ICSoba 2025 PRESIDENT



Tian Yongzhong
ICSoba 2025 President,
Vice President of Aluminum Corporation of China (Chinalco) and Chairman of China Copper Co. Ltd.

Throughout his career, **Mr. Tian Yongzhong** has been deeply involved in financial management, economic performance analysis, and corporate operations, giving him extensive hands-on management experience. He is known for fostering collaboration and demonstrating strong leadership across the aluminium and copper industries. He holds a Master's degree in Accounting from Xi'an Jiaotong University and is a certified Senior Accountant.



He Wenjian
ICSoba 2025 Vice-President,
Executive Director and General Manager of Aluminum Corporation of China Limited (CHALCO).

For over 30 years, **Mr. He Wenjian** has devoted his entire career to the aluminium industry, demonstrating unwavering dedication since he began his work in 1990. Rising through the ranks of CHALCO, he has held key leadership positions across the company's operations – from managing carbon production in Qinghai to leading the Liancheng branch and serving as Chairman of Lanzhou Liancheng Aluminum Co., Ltd. He also spearheaded CHALCO Group's corporate initiatives in operations optimization and management innovation, underscoring a lifelong commitment to efficiency and progress in the industry. Beyond his core roles at CHALCO, Mr. He has served as a Director of China Rare Earth Group Co., Ltd. and in other organisations.

SPONSORSHIP

As you know, organizing a conference of this magnitude would not be possible without the generous support of our sponsors.

We are honoured to have **Chinalco** as the Host Sponsor for this year's conference. Together, ICSOBA and Chinalco warmly invite bauxite, alumina, and aluminium producers, as well as industry partners from China and around the world, to participate in **ICSOBA 2025 in Nanning** and become conference sponsors.

ICSOBA, known as "The Technology Conference of the Aluminium Industry, for the Aluminium Industry," offers a unique opportunity for your company to enhance its visibility among primary aluminium decision-makers and key technologists.

Please consult the [Sponsors Fees and Benefits](#) document, which details the various sponsorship options, including on-site benefits and enhanced visibility through the Whova application, used by both on-site and online participants.

If you are interested in supporting ICSOBA's activities and showcasing your company at ICSOBA 2025, feel free to contact **Claude Vanvoren** at claudio.vanvoren@icsoba.org for more information.

CONTACT US

For more information, please contact us at info@icsoba.org

ABOUT THE HOST SPONSOR



Aluminum Corporation of China Limited (Chinalco). Established on 10 September 2001, Chinalco is a holding subsidiary of the Aluminum Corporation of China and is the world's largest producer and supplier of alumina, aluminum, fine alumina, high-purity aluminum, and aluminum anodes.

As a global leader in the aluminum industry, Chinalco stands out with its comprehensive industrial chain. Its operations span a wide range of sectors, including mineral resource exploration, alumina and aluminum production, aluminum alloys, carbon anodes, coal production, high-tech development, international trade, material supply, logistics, energy, and power.

Chinalco is listed on the Hong Kong Stock Exchange (December 2001), New York Stock Exchange (December 2001), and Shanghai Stock Exchange (April 2007). Its A-shares are included in the MSCI China A Onshore Index, and its H-shares are part of the Hang Seng China Enterprises Index.

<https://www.chinalco.com.cn/en/>

ABOUT THE CO-HOST SPONSOR



Nonferrous Metals Society of China (NFSOC). Founded in 1984, the Nonferrous Metals Society of China (hereinafter referred to as NFSOC or the Society) has 45 branches, and has maintained business contacts with 17 local nonferrous metal societies, with 317 group members, more than 30 000 individual members, and 19 kinds of scientific and technical journals sponsored by itself. NFSOC was awarded as one of the 100 Science and Technology Volunteer Service societies and Excellent Group of Innovation-driven Projects, etc. by China Association for Science and Technology, and was selected as a first-class society construction project with Chinese characteristics. In 2023, it was approved as a 4A society of the Ministry of Civil Affairs.

Focusing on pioneering and innovating from the aspects of academic exchanges, journals, popularization of science, talent recommendation, etc., adhering to the purpose of "serving the development of the industry and promoting scientific and technological progress", the Society has become to an important social force to promote the high-quality development of China's non-ferrous metals science and technology.

<http://www.nfsoc.org.cn/>

ABOUT THE SUPPORTERS

ICSOBA is grateful to several local supporters for helping us prepare the ICSOBA 2025 conference:

Zhengzhou Non-ferrous Metals Research Institute Co., Ltd. of Chinalco (ZRI). Established in 1965, it is a key national research base for the development of new technologies, processes, materials, and equipment in China's aluminium and magnesium industries. It also serves as a hub for fundamental research and the incubation and transformation of original technological innovations. ZRI has led or participated in the development of major technologies such as 280 kA large-scale aluminum electrolysis, diasporic bauxite pipeline digestion, Bayer process alumina production from beneficiated bauxite, and magnesium extraction from carnallite, all of which have significantly advanced the technological progress of China's aluminium and magnesium industries. Its current R&D scope includes bauxite, alumina, primary aluminum, high-purity aluminum, magnesium smelting, digital industrial applications, and high-performance alumina-based materials.

China National Engineering Research Center for Aluminum Metallurgy. Established in 2003 with approval from the Ministry of Science and Technology of China, is a national-level research base in the field of aluminium smelting technologies. Affiliated with ZRI, the center focuses on tackling key and common technical challenges in China's aluminium industry and promotes the engineering transformation of new technologies, processes, materials, and equipment.

Guangxi Branch of Chinalco. Established in 2002, Guangxi Branch of Chinalco is a state-of-the-art production facility with an annual output of 6 million tonnes of bauxite and 2.4 million tonnes of alumina. It stands as one of China's most advanced and innovative production bases.

The Academic Committee of Light Metal Metallurgy.

ABOUT THE SUPPORTERS

Guangxi Hualei New Materials Co., Ltd. Established in 2015, Guangxi Hualei New Material Co., Ltd. is an integrated enterprise specializing in primary aluminum production, power generation, and aluminum processing. With an annual capacity of 400 000 tonnes of primary aluminum, it leverages cutting-edge 500 kA cell technology, setting a benchmark for excellence in the aluminum industry.

Central South University (CSU) is a leading Chinese university and a key member of "Project 211," "Project 985," and "Plan 2011." Designated as an A-level world-class university in 2017 and reaffirmed in the "Double First-Class" initiative in 2022, CSU ranked 94th in the 2024 Academic Ranking of World Universities (ARWU), with its Metallurgical Engineering leading globally. Renowned for its expertise in non-ferrous metals, CSU is a global hub for talent and innovation.

Northeastern University (NEU). Founded in 1923, is a national key university directly under the Ministry of Education and a "Double First-Class" initiative institution in China, ranking among the top 40 universities nationwide. Renowned for its engineering disciplines, the university houses three State Key Laboratories and four National Engineering Centers. It demonstrates outstanding advantages in fields such as metallurgy, materials science, and automation, with its Metallurgical Engineering program being recognized as a national first-class discipline.

Shenyang Aluminum & Magnesium Engineering & Research Institute Co., Ltd. (SAMI). Established in 1951, it is China's first state-owned design institute. As a world-class technology leader and engineering solutions provider in the aluminium industry, SAMI specializes in R&D and innovation for alumina, electrolytic aluminium, carbon materials, electrodes, and light metals, accelerating global industry transformation toward net-zero and digitalized futures.

ABOUT THE SUPPORTERS

Guiyang Aluminum and Magnesium Design and Research Institute Co., Ltd. (GAMI). Established in 1958, is a leading state-owned enterprise in the field of light metal smelting design in China, with a rich historical heritage and strong technological innovation capabilities. Its business scope covers engineering design, engineering consulting, general contracting, intelligent manufacturing, equipment manufacturing, and full-process engineering consulting, with top-tier qualifications in non-ferrous metallurgy, architectural engineering, and engineering contracting.

Guangxi University (GXU) founded in 1928, a comprehensive university with the longest history and the largest campus in scale in Guangxi, is the only national "Project 211" university, "Double First-Class" Initiative university and the co-construction university by the Ministry of Education and the People's Government of Guangxi Zhuang Autonomous Region. GXU ranks 89th in Best Chinese Universities Ranking of SHANGHAI RANKING, with its civil engineering technology in long-span arch bridge construction leading globally. Renowned for its expertise in subtropical biology research, marine science, ASEAN and border ethnicity studies, GXU is dedicated to becoming the CHINA-ASEAN hub for talent cultivation and innovation.

The National Engineering and Technology Research Center for Aluminum Magnesium Electrolysis Facilities (NECAME), was approved by the Ministry of Science and Technology of China in December 2011. Anchored in the strategic development needs of the domestic and international aluminium and magnesium smelting industries, the center focuses on engineering research, assimilation, integration, incubation, pilot testing, and industrialization of aluminium and magnesium smelting equipment technologies. Its core mission is to address the industry's demands for energy conservation, consumption reduction, and emission mitigation through targeted R&D initiatives.