



ELEMENTAL

Vedanta Aluminium Business' Monthly Newsletter



Vedanta Aluminium at 'Light weighting with aluminium & sustainability' webinar by ACMA

Our Dy. Director - Marketing, Nikhil Bhagchandani, was the keynote speaker at a webinar by the Automotive Components Manufacturers Association (ACMA). He highlighted the benefits of light-weighting vehicles and how Restora, our low carbon aluminium, can bolster the endeavours of automakers to decarbonize their products.



Vedanta Aluminium, as India's largest aluminium producer, is keen to co-create innovative product solutions for new and emerging applications of aluminium in the automotive industry, and together with them shape the future of mobility.

Rahul Sharma
CEO - Vedanta Aluminium



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Mr. Rahul Sharma writes in MetalAsia

Vedanta Aluminium welcomes new engineering and management trainees

We welcome a new batch of engineering and management trainees to India's largest aluminium operations. Hailing from all corners of India, they are high-performing graduates from India's top-tier colleges, with an excitingly diverse array of backgrounds, skills and ideas to bring to the table. Here's wishing them a fantastic career ahead, lots of learning opportunities and positive memories with the Vedanta Aluminium family!



Mr. Sunil Satya's commencement speech at IIM Sambalpur

Mr. Sunil Satya, CEO - Power (Vedanta Aluminium) was invited to deliver the commencement speech at IIM Sambalpur's 8th MBA batch. He inspired the young minds during their orientation session with lessons from his own extensive experience and professional journey, and encouraged them to take destiny into their own hands and shape India's future.

CEO and Chairman of Railway Board, Mr. Vinay Kumar Tripathi, visits Vedanta Jharsuguda

We were delighted to welcome Mr. Vinay Kumar Tripathi, CEO and Chairman of the Indian Railway Board, on a tour of our Jharsuguda plant. He was given insights on Vedanta Aluminium's domestic and global presence, scale of operations and contribution to the national growth story. He appreciated Vedanta Aluminium's role in making India the aluminium capital of the world, and the pivotal role our Jharsuguda smelter has to play in it.



Assistant Section Officer trainees of Odisha Secretariat visit Jharsuguda plant

We hosted 45 Assistant Section Officers of the Odisha Secretariat at our Jharsuguda plant as part of their induction program, which included an interaction with Mr. Sunil Gupta, CEO-Vedanta Jharsuguda. They were taken on a plant tour, and given insights on the operations of the world's largest single-location aluminium smelter, our people culture, safety and sustainability initiatives.

Mr. Abhijit Pati, CEO & Director - BALCO, speaks at Indian Aluminium Summit and Expo

Aluminium can make India *aatmanirbhar* due to its pivotal role in the success of all major government infra initiatives. Highlighting the same, Mr. Pati shared the importance of implementing a National Aluminium Policy, usage of domestically produced aluminium in government projects, and building domestic capacity for emerging applications, leading to the development of MSMEs and industrial clusters.



#GreenHearts campaign launched to increase green cover

To capitalize on monsoons and galvanize employees, families and business partners to contribute towards increasing green cover, we launched 'Green Hearts' campaign on World Nature Conservation Day. This will see our Business Units plant more than 2 lakh trees in and around our plant premises, greenifying our surroundings and making our community an important stakeholder in this endeavour.

MoU with TÜV SÜD for achieving water positivity

We have partnered with TÜV SÜD, a global leader in sustainability solutions, to chart our roadmap to net water positive operations. Towards this end, we will conduct the baseline study, bolster the accounting process for water consumption, build capacity for continual improvement and conservation, and implement innovative solutions & initiatives for ensuring a sustainable water footprint. Water management is a crucial pillar in our ESG journey.



Vedanta Aluminium at the 26th International Conference on Non-Ferrous Metals 2022

Vedanta Aluminium participated in the 26th International Conference on Non-Ferrous Metals (ICNFM) 2022. Six teams from our Jharsuguda and BALCO plants participated in the event, presenting several technical papers on inhouse innovations for improved efficiencies and plant reliability. It was a great platform to present our industry leading practices in these areas.

Vedanta Aluminium supplies fly-ash to Bharatmala Pariyojana project

We have supplied more than 6 lakh tonnes of fly-ash for roadways & highways construction under the Bharatmala Pariyojana project. Once regarded as an unavoidable and unusable by-product of the aluminium manufacturing process, our fly-ash is now proving integral in connecting remote regions to socio-economic mainstream, creating opportunities of growth in underserved regions.



Staging a digital intervention in Safety Incident Reporting with Detect Tech

Under Vedanta Spark, our start-up incubator programme, we have partnered with an IIT-Madras incubated startup, Detect Technologies, to deploy Artificial Intelligence-based safety incident detection technologies across all our operations. To be rolled out across Vedanta units, the technology allows for quickly relaying and analyzing input feeds to mitigate unsafe working behaviours or conditions.



1200 people participate in Suraksha Sankalp safety program

‘Suraksha Sankalp’ is an ongoing monthly safety program to reinforce the importance of workplace safety and to reward personnel following best safety practices. At BALCO, this month’s theme was ‘Safety Work Permit Audit & Compliance’ and ‘Safety Interaction Connecting to Every One’. The session was organized at nine different locations and was attended by 1200 employees and business partners. The Suraksha Sankalp campaign plays a key role in fostering a 'safety first' culture at our sites.



Vaccination Drive at BALCO draws 2000+ people

BALCO conducted a two-day mega vaccination drive for the employees, family members and business partners. The vaccination drive saw participation of more than 2000 people receiving vaccines during the drive. Since the outbreak of COVID, our operations have proactively organised awareness and vaccination drives to safeguard our families and communities against the disease.



Reducing turnaround times in wagon tippler by 4% for additional load handling

To reduce cycle times in the wagon tippler system at our Lanjigarh operations, the existing drivers were replaced with inhouse-engineered ABB drivers. This helped our team achieve a 4% reduction in the cycle time and enabled the Bauxite Wagon Tippling system to handle 10 additional wagons. The improved technology also facilitates quicker troubleshooting and enhances workplace safety.



State-of-the-art Power Management Control Room launched at Jharsuguda

Mr. Sunil Gupta, CEO - Vedanta Jharsuguda and Mr. Sunil Satya, CEO - Power (Vedanta Aluminium) inaugurated a state-of-the-art Power Management Control Room at our Jharsuguda plant. Enabled with the latest digital solutions, this control room will continuously monitor the power market and provide live status of our captive units for agile and real-time decision making.

Giving old petrol bikes an electric lease of life

Our innovative engineers have succeeded in converting old petrol-fueled motorcycles into zero-emission lithium ion battery electric bikes inhouse. These will enter service as patrol vehicles at our Aluminium Smelter at Jharsuguda, in Odisha, demonstrating at once our culture of innovation, our talented employees and our commitment to Net Zero Carbon operations by 2050. It is also a great instance of leveraging inhouse talent to solve business challenges by going beyond conventional solutions.



InSAR-based ash dyke stability monitoring system deployed

Vedanta Jharsuguda has deployed an ash dyke monitoring system using InSAR (Interferometric Synthetic Aperture Radar) technology at its ash dykes. This customized digital solution will aid in all-weather monitoring of ash ponds, provide site overview, time lapse reporting, statistical data generation along with a range of critical inspection applications. The algorithm feed will also facilitate the condition analysis of dykes.

DAV-Vedanta International School (Lanjigarh) tops the science stream in CBSE 12th Boards in Odisha

The 10th and 12th class students of our DAV Vedanta International School at Lanjigarh have graduated with flying colors, with all 73 students securing first division. With their superlative and tireless efforts, the DAV Vedanta International School, Lanjigarh, has topped the list of all DAV schools in Odisha, in Class 12th (Science) results with a school average of 90.07%.



12,000 youth made employable by our skill development initiatives

The World Youth Skills Day this year was an opportunity to reaffirm our commitment to positively impacting the lives of youth living in the vicinity of our operations. Through our robust skill development programs, we have trained 12000 youths in a range of trades, from housekeeping to solar energy technologies. They are now employed with some of the top companies of India across various industries.

Van Mahotsav Week and Nature Conservation Day celebrated with communities

During Van Mahotsav week and on World Nature Conservation Day, our employee volunteers conducted awareness sessions on the sustainable use of natural resources at local schools in Jharsuguda. Mass sapling plantation drives were also carried out with participation of school students, community members, employees and business partners in and around the plant premises.



DPS Korba students emerge district toppers in CBSE 10th and 12th Boards

Students of the BALCO-supported Delhi Public School, Korba, have topped the district in 12th Commerce Stream and 10th Class results. Almost all the students graduated in first division. Anadi Agrawal of Class XII from Commerce Stream topped the district with 97.6% marks and Srijani Ray of class X topped the district with 99% marks. The results are a great testament to the cohesive efforts of the teachers, students and school management.

Vedanta distributes sports kits to youth in Mendra village

Employees of our mining vertical volunteered to distribute volleyball and cricket kits to youths from Mendra village, an important step to promote sports participation in the region. We strive to nurture sports at the grassroots by creating sports infrastructure, avenues for training, providing sporting kits, organizing various sporting tournaments, etc. with the aim of holistic development of the region's youth.



Celebrating Rath Yatra with the community

Enthusiastic celebrations commemorating the important annual Rath Yatra were held at several locations. In Lanjigarh, our teams organised a community sanitation and cleanliness campaign. Dance and bhajan-kirtan programs were held at Garjanjore near Jamkhani. We also provided food & water to the pilgrims visiting Puri, ensuring their comfort during the festivities.

Mega Health Camp held at Katrupali in Rayagada district, Odisha

A team of doctors and medical staff from our Vedanta Hospital in Lanjigarh, in collaboration with the local Health Department, organised a mega health camp at the Katrupali Primary School in Paikaranipinda panchayat, Rayagada. More than 300 people from 5 villages in the vicinity accessed special consultations and basic treatments at the camp. Health camps are a regular feature of our community initiatives and deliver crucial last-mile healthcare.



Over 2000 farmers now benefit from 'Mor Jal Mor Maati' initiative

BALCO's flagship initiative for farmers, 'Mor Jal Mor Maati', now positively impacts 2000+ farmers cultivating crops on more than 1200 acres of land. Through it, over 500 farmers have now adopted modern agriculture techniques, leading to the doubling of their average annual income. The success of the program has tuned the region's youth into considering farming as a lucrative profession. Around 25% of the beneficiaries now are young farmers!

Mentors and mentees bond at team-building workshop in Lanjigarh

13 mentors from our Alumina Refinery operations, along with their 74 mentees, participated in a three-day team bonding session. Skilled professional coaches organized trust building exercises, soft-skills trainings and other group activities to sensitize employees on the virtues of constructive action, mentorship and feedback. Team building sessions like these help fortify the bond between our employees.



Indoor Sports Championship 'Spardha - 2022' kicks off

Employees and family members at our Alumina Refinery operations in Lanjigarh are battling it out at the 2022 edition of 'Spardha - Indoor Sports Championship'. Inaugurated by Mr. GG Pal, Dy. CEO - Vedanta Lanjigarh, the tournament features chess, carrom and table tennis, bringing everyone together on the playing field.

Leadership Connect with new recruits at Vedanta Jharsuguda

The leadership team at our Jharsuguda operations led a wonderful welcome & connect session for the new engineering and management recruits. The leaders shared their journeys and experiences, insights into the workings of one of the world's largest aluminium smelters, while also dwelling on the deeply ingrained values that differentiate us from the rest of our peers. The session helped provide the newbies a glimpse of the fascinating world of manufacturing that awaits.



Abhisek Beura Production	Alok Gaya Human Resources	Ashish Patra Expansion Projects	Atif Hussain HSE	Bibhudatta Ray Administration	Bijoy Das Production
DeviPrasad Mahapatro Logistics	Dhamodharan S General Management	Jyoti Swain Production	Karan Kar Mechanical Maintenance	Laxmikanta Nayak Civil Maintenance	Manas Puhana Production
Prakash Kar Production	Sathish G Commercial	Shibam Chaudhury Expansion Projects	Soumava Das Electrical Maintenance	Srijita Podder Civil Maintenance	Suman Mohapatra Expansion Projects

Work Integrated Learning Program (WILP) with XIMB

Vedanta Lanjigarh launches another edition of the Work Integrated Learning Program (WILP) in partnership with XIM University, Bhubaneswar, as part of our talent development endeavors. 18 executives with more than 3 yrs of experience will undergo a Post Graduate Diploma in General Management, a one-year program which will be carried out through virtual classes on weekends. The initiative will help them greatly build on their skillsets.

Just start, and let the adventures carry you away!

Yogesh Bohra

Lead - Customer Technical Services (CTS), Vedanta Jharsuguda

What is your current role at Vedanta Aluminium?

I work for customer fulfilment as Lead - CTS at Vedanta Aluminium, based out of Jharsuguda. Prior to this, I was leading the Wire Rods division. I recently did my executive MBA at IMI Bhubaneswar, as part of Vedanta's WILP programme.

When did you pick up travelling as a hobby?

I have been travelling since my college days, especially in Uttarakhand and Himachal Pradesh. At Jharsuguda, I found several like-minded colleagues who have become my travel companions. We go on treks and biking expeditions frequently.

What fuels your passion to travel?

One of my most memorable journeys was the 750km+ Spiti Valley Circuit in Himachal Pradesh. Beyond just seeing new places, it was an awakening for me. I had to prepare for the journey, get my mind & body ready, and open myself up to the idea of new experiences. Travelling forces one outside their comfort zone and often throws unexpected situations which need to be tackled with ingenuity, and that excites me.

How has travelling helped you develop?

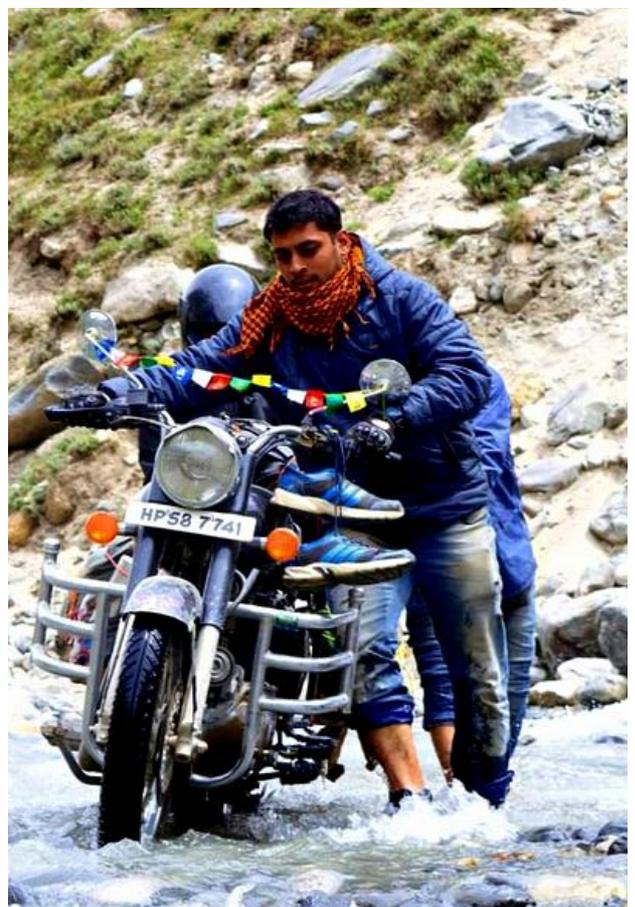
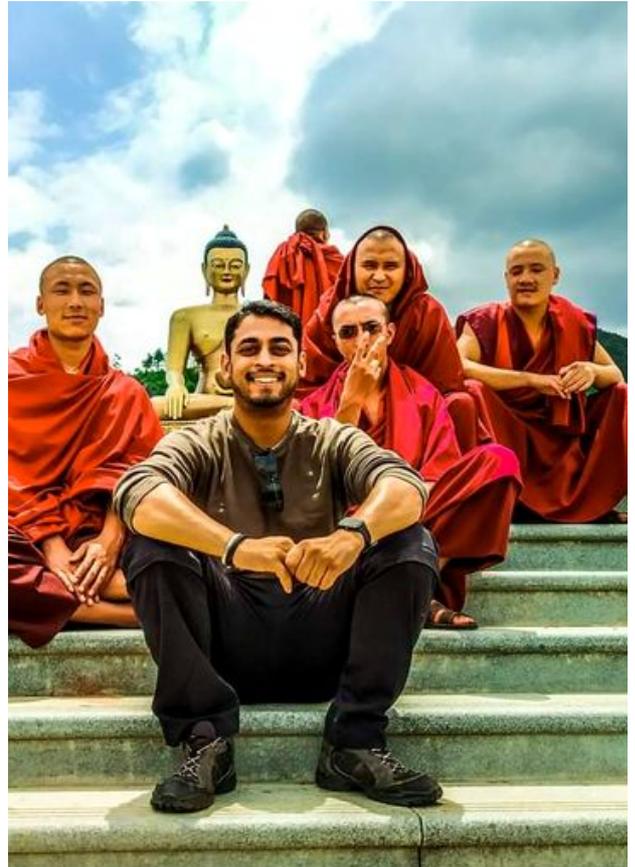
Travelling equips you to adapt to situations. For example, during our high-altitude trek in Spiti, one of our group members developed breathing issues due to low oxygen levels. We had to urgently arrange medical attention in a remote village. You are responsible not just for your own safety but that of your co-travelers too! This builds a sense of responsibility, leadership and problem-solving skills.

We just welcomed new engineers and management trainees. Any travel recommendations for them?

Odisha is the land of paddy fields (Daringbadi), palm-fringed silver beaches (Konark), temples (Puri, Bhubaneswar), rivers/lakes (Mahanadi, Chilka Lake) and wildlife sanctuaries (Debrigarh). Even the Chitrakoot waterfalls in Chhattisgarh are a must-visit, although they are farther away. All you need to do is start, and then let the adventures carry you away.

What's next on your agenda?

I am preparing for a few upcoming treks and working on clearing their mandatory medical fitness tests. Hitting the gym is a must to get your body ready before any arduous journey!



Vedanta Aluminium bags 4 Golds at the SABRE Awards - 2022 for PR & Communications!



- Media, Arts & Entertainment: Mohenjodaro to Kalahandi - Reviving an Indus Valley Art Form
- Corporate Culture & Change: 'Breaking the Bias' with women in manufacturing
- Industrial/Manufacturing: 'People of Metal' – Saga of Survival and Triumph
- Employer Branding: The #HardHat Challenge

Vedanta Lanjigarh wins Digital CIO Excellence Awards 2022 for Excellence in digital transformation project



Vedanta Jharsuguda bags three awards at the Grow Care India Awards 2022 for Occupational Health & Safety



DPS BALCO students AR Karthikeyan and Vedant Kashyap win Gold and Bronze at the WAKO India Cadet & National Junior Kickboxing Championship in Kolkata



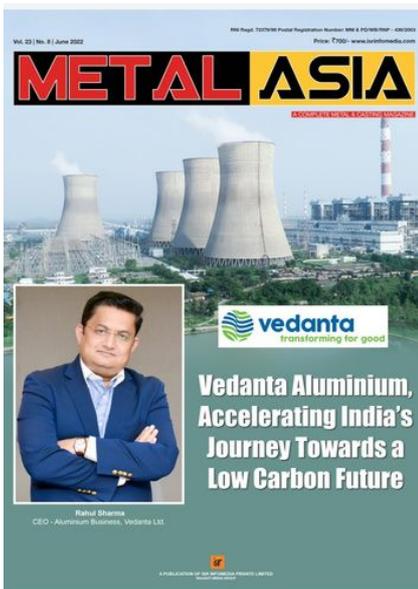
Employees of BALCO felicitated for contribution to social service endeavours



Click on the titles to read more!



MetalAsia



B2B Purchase

Vedanta Aluminium, working toward a sustainable water footprint



Globally, India is one of the most water-stressed countries, with about 600 million Indians facing high to extreme water stress, as per a NITI Aayog report on Composite Water Resources Management in 2018-19. The report also mentions that by the end of this decade, water demand is projected to be double the available supply, implying severe water scarcity for hundreds of millions of people and an eventual loss of around 6 per cent of India's GDP. It is without a doubt that freshwater is a critical resource that demands urgent conservation

BW Auto World

Light Weighting For Vehicle Safety & Sustainability With Aluminium

According to industry forecasts, aluminium consumption in transportation sector is expected to grow by 12 million tonnes from CY20 to CY30, 60 per cent of which will come from adoption of EVs. World over, there are about 3,000 applications of aluminium across various industries, whereas India has explored 300.

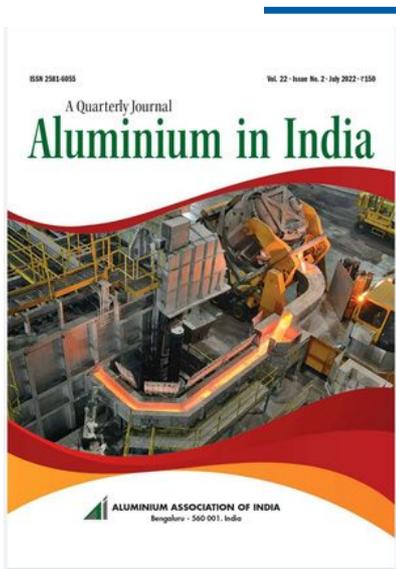


The global automotive & transportation industry is increasingly shifting up to be electrified, autonomous and increasingly sustainable. This is underpinned by the existing consumer preferences towards electric and hybrid vehicles, and automakers increasingly using aluminium for light weighting vehicles, an aspect of lightening of precision norms and climate action. Aluminium is driving this change, because it offers the benefits of light weight, good environmental friendliness and high efficiency used to increase performance, fuel economy and reduce emissions while improving safety and vehicle life.

Aluminium, The 'Metal of the Future' for Auto Industry
Aluminium is currently the second most used metal in vehicles and the fastest growing, a clear indication of the metal's growing preference in automobile manufacturing. Automakers are increasingly leveraging aluminium's strength to produce lighter auto components like engine radiators, wheels, bumpers, suspension parts, engine cylinder blocks, transmission bodies and body parts such as hoods, doors and even the frames. The reason being aluminium's unique properties which lend themselves very well to the auto industry.

High strength-to-weight ratio Aluminium alloy provides similar strength as that of steel while being much lighter. The average car weighs about 1500 kg. If there were no consumer preferences and as much aluminium as possible was used, it would weigh only 775 kg. This helps automakers design vehicles that are significantly lighter, safer, easier to maintain, high on performance and low on other budgets. In electric vehicles, increase in aluminium usage in the vehicle vehicle is always large by offsetting battery weight, thereby reducing cost of ownership, even with addition of more safety features.

Aluminium in India Journal



FICCI Newsletter

Indian Mining & Metals Industries: Transition to 2030 and Vision 2047



Mr. Rahul Sharma
Co-Chair, FICCI Mining Committee and
CEO, Aluminium, Vedanta Ltd.

Two years ago, when the COVID pandemic brought the entire world to a halt, we as a nation were caught off guard. We were not ready – from basic needs such as masks to PPEs, we were dependent on imports. It was at this critical time that our Hon'ble Prime Minister decided that we would no longer remain an import dependent nation, and instead gave us the vision and path to an Atmanirbhar Bharat. With progressive reforms and policy support, within a very short time we have witnessed a complete turnaround. We have realized our massive domestic potential to become self-reliant and have even become a surplus producer of key medical essentials, with exports across the world. However, we still have a long way to go in the natural resource sector. Notably, 51% of our import bill (USD 330 billion) out of total bill of USD 650 billion was on account of Natural Resources. It is unfortunate that even with abundant natural resources, top quality reserves in the world for Coal, Bauxite, Copper and Zinc, sufficient capital availability, skilled manpower, an industry ready to invest and a growing domestic market, we are still import dependent.

Today, the entire world is at a critical juncture, where confident steps in the right direction can place India on the path of exponential growth towards becoming a Global Champion. We should not be off-guard again where this growth is met by imports and not through domestic production. The time is ripe to chart our vision for the next 25 years, especially for aluminium – a sector of strategic importance due to its vital role in the government's visionary initiatives such as Make in India, Smart Cities, 24x7 Power for All, indigenous space programs etc.

India's Aluminium Prowess

India is a leading player in the global Aluminium industry with the 2nd largest production capacity (after China) globally. It has a unique natural advantage of abundant raw material availability (3th largest Bauxite and 5th largest Coal reserves), along with a large pool of manpower, a huge consumer market and a

Bloomberg

Vedanta Aluminium Signs MOU With TÜV



July 12, 2022 at 11:27 AM GMT+5:30

Vedanta Aluminium Signs MOU With TÜV SÜD for Roadmap to Become Water Positive

New Delhi, Delhi, India: Business Wire India

Vedanta Aluminium, India's largest producer of aluminium, has embarked on its ambitious commitment to turn net water positive, by partnering with TÜV SÜD, a global leader in safety, security & sustainability solutions. Under this partnership, Vedanta Aluminium and TÜV will chart the roadmap for the company's water positivity goal by working in the areas of baseline study, bolstering the accounting process for water consumption, capacity building for continual

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