

# Vedanta Aluminium develops Extended Reality experience zone to augment workforce safety

*Vedanta Aluminium reaffirms its commitment to workforce safety on World Day for Health & Safety at Work*

NEW DELHI, DELHI, INDIA, May 2, 2022

[/EINPresswire.com/](https://EINPresswire.com/) -- Vedanta

Aluminium, India's [largest producer of aluminium](#), has developed an

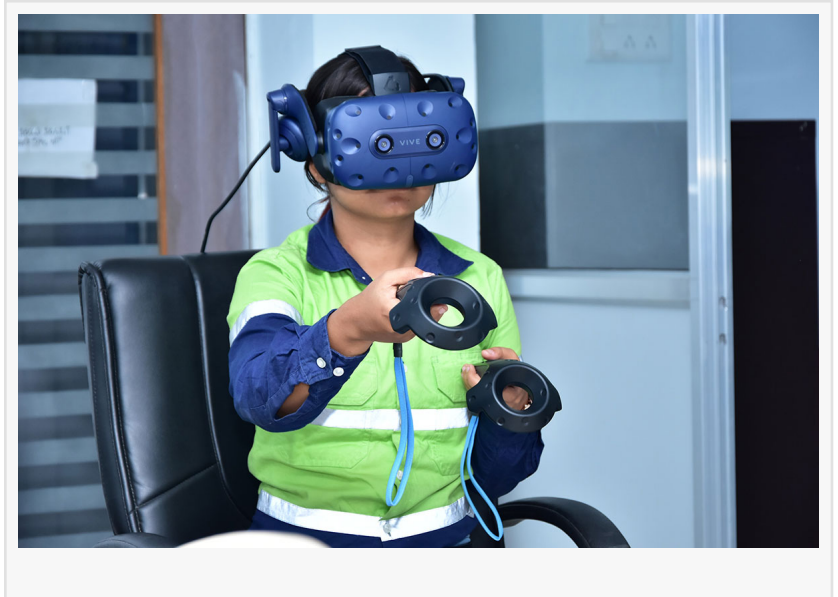
Extended Reality (XR) experience zone to augment safety training for its

employees and partners. The zone makes use of Virtual Reality (VR),

Augmented Reality (AR) and Mixed Reality (MR) technologies to enable

simulation-based training, helping

ensure an immersive learning experience. With this initiative, Vedanta Aluminium has taken another step in fast-tracking adoption of digital solutions, intelligent automation and in-house innovations to bring in a step-change in manufacturing excellence, while also boosting workforce safety.



Examples of advanced technology deployments by Vedanta Aluminium for [safety excellence](#) include:

Deep Learning algorithms and sophisticated modelling techniques

Digital twin technology for improved maintenance

Video analytics for fire detection and monitoring of adherence to safety protocols

Manufacturing Execution System (MES) for remote visibility of critical plant operations

Robotics Process Automation (RPA) to boost operational efficiency and safety excellence

A Centralized Security Operations Centre (CSOC) at BALCO that features several cutting-edge security solutions

Partnering with startups on emerging technologies for business solutions

'Sentinel' app and drones for monitoring personnel movement inside plant and township premises

Mobile & web applications developed inhouse to monitor safety parameters at work sites

Speaking about Vedanta Aluminium's endeavors to augment safety with digital interventions, Mr. Rahul Sharma, CEO – Aluminium Business, Vedanta Ltd., said, "Our endeavours in the realm of Environment, Social & Governance excellence intersects our vision for building smart manufacturing plants of the future, in a way that serves as a win-win for both operational efficiencies and people safety. On the World Day of Health & Safety at Work, we recommit to nurturing a safety-first culture that also extends beyond the ambit of our operations to include the communities around us."

Vedanta Aluminium's employees voluntarily impart safety awareness sessions on multiple themes to neighboring communities throughout the year. In fact, the company's all-women firefighting squad 'Agnivahini' is actively leading this effort. Furthermore, the company has deployed Mobile Health Units that provide doorstep healthcare services daily across hundreds of villages in Odisha and Chhattisgarh.

Vedanta Aluminium, a business of Vedanta Limited, is India's largest producer of aluminium, manufacturing half of India's aluminium i.e., 2.26 million tonnes in FY21. It is a leader in value-added aluminium products that find critical applications in core industries. With its world-class aluminium smelters, alumina refinery and power plants in India, the company fulfils its mission of spurring emerging applications of aluminium as the '[Metal of the Future](#)' for a greener tomorrow. [www.vedantaaluminium.com](http://www.vedantaaluminium.com)

Vedanta Limited – Aluminium Business  
Vedanta Limited – Aluminium Business  
infoaluminium@vedanta.co.in

Visit us on social media:

[Facebook](#)

[Twitter](#)

[LinkedIn](#)

[Other](#)

---

This press release can be viewed online at: <https://www.einpresswire.com/article/570770795>

EIN Presswire's priority is source transparency. We do not allow opaque clients, and our editors try to be careful about weeding out false and misleading content. As a user, if you see something we have missed, please do bring it to our attention. Your help is welcome. EIN Presswire, Everyone's Internet News Presswire™, tries to define some of the boundaries that are reasonable in today's world. Please see our Editorial Guidelines for more information.

© 1995-2022 Newsmatics Inc. All Right Reserved.