

## Vedanta Aluminium goes eco-friendly with IIoT devices

VEDANTAALUMINIUM, INDIA'S largest producer of aluminium, has augmented its 2400 MW thermal power plant with Industrial Internet of Things (IIoT) devices in fabric filters to improve emissions control. Fabric filters are special bag filters placed after electrostatic precipitators in chimneys to collect particulate matter from the hot gas



emanating from the power plant boiler system, stopping them from escaping into the atmosphere. The differential pressure between the bags plays a pivotal role in improving the efficiency of the filters. This is the third line of defense in capturing particulate matter and gases, which

significantly improves the air quality. The company has moved from the traditional way of measuring differential pressure through transmitters to using IIoT devices for precise monitoring and immediate action. Speaking about Vedanta Aluminium's endeavours to bolster ESG excellence, Rahul Sharma, CEO, Vedanta Ltd – Aluminium Business, said, "We are committed to further improving our environmental sustainability performance through a structured approach that includes adoption of best-in-industry practices, leading-edge digital technologies, consistent improvements in efficiency of resource-intensive processes, circular initiatives and incorporation of 'Design for Sustainability' principles into our operations."