

## **Domestic Start-Up's Clean Air Technology Solution to be deployed at India's Smart Railway Station**

The Office of the Principal Scientific Adviser to the Government of [India and Indian Railway Stations Development Corporation \(IRSDC\)](#) issued an open call last year for Indian startups and various national technology incubators to identify best-in-class technologies for the first of the upcoming Smart Railway Stations.

After internal evaluation, IRSDC has shortlisted an Indian startup, [aTechTron](#) to provide its clean air technology solution that will reduce outdoor air pollution at railway stations, thereby enhancing the travelling experience of customers using the station premises.

*aTechTron's Made-in-India* outdoor air purifier uses a multiple-stage filtration technology to effectively capture and filter out heavy metals, non-heavy metals, silver alkaline particles, organic carbon, and PM 2.5 and PM 10 particles. *aTechTron* will provide its outdoor air purifier solution to IRSDC at zero cost and will leverage advertisement display rights on the air purification machine to generate revenue.

The outdoor air purifier is IoT-enabled and can be remotely monitored. It has an effective working radius starting from 100 feet, which can go up to a thousand feet. It does not emit any radiation or ozone and is completely safe to operate. It has low power consumption and low noise. Its reusable nano filters and air pollutants can be recycled to make materials such as bricks, crayons, and ink papers.

IRSDC will deploy *aTechTron's* outdoor air purifier at the KSR Bengaluru Station. It may also deploy this technology at other upcoming Smart Railway Stations in India.