

Indian Datacenter Stops Equipment Failures with Purafil

NOIDA, UTTAR PRADESH INDIA

India's largest telecom company offering wireless broadband, mobile phone, and satellite services throughout Asia. In 2015, they built India's first Open Network, giving customers access to tower maps, weak spots, strong signal zones, high speed internet and more.

This telecom provider is based in Noida, India which is surrounded by open sewer systems carrying unwanted waste, releasing toxic and unpleasant gases. The environmental conditions in India do not only pose odor and health concerns, but release gaseous pollutants including Hydrogen Sulfide (H₂S), Sulfur Dioxide (SO₂) and Methane (CH₄), that cause destructive corrosion on electronics. These harmful gases can enter the building through gaps and fresh air openings. Over 90% of all corrosion assessments performed by Purafil in India have shown a severe or harsh corrosive environment caused by high levels of H₂S, SO₂ and Chlorine (Cl₂).

A major OEM customer for electronics notified them of critical electronic card failures due to corrosion and suggested the IT Manager call Purafil for a solution. After analyzing the datacenter environment, it was determined that sulfur contaminants were entering the mobile switch center and network room. Purafil recommended a complete solution to clean and pressurize the controlled space. Using Positive Pressurization Units (PPU) and PuraGrid filters, the corrosive GX environment was protected, and the air was cleaned to a sustainable G1 environment, safe from corrosion. The OnGuard corrosion monitor was also installed to provide real-time data on the air quality, and ensure that the clean air atmosphere was maintained.

Since installing the complete Purafil solution, electronics failure has been eliminated, and they continue to maintain an G1 environment as classified by the International Society of Automation (ISA) Standard 71.04-2013 "Environmental Equipment Conditions for Process Management and Control Systems: Airborne Contaminants" (which is the accepted guide for warranties of electronic equipment.). This ensures that corrosion is no longer a factor in this Telecom's ability to support their customers, and ensure uninterrupted service provided by their critical electronic equipment. **That's the Purafil Peace of Mind.**

