

Emerson Cold Chain Solutions: Transforming Vaccine Storage in India



Background

India faced a monumental task of vaccinating eligible individuals to halt the raging COVID-19 pandemic. There was an urgent need to further upgrade pan-India vaccine storage and distribution infrastructure, especially in the country's rural areas.

Challenge

Build a vaccine storage refrigeration system that is reliable and energy efficient. It should be robust enough to withstand voltage fluctuations common in India's countryside. Product development schedule was challenging with limited time allocated for full life testing cycle.



Solution

Emerson supported this project by providing efficient, reliable, and customizable Cold Chain solutions. Using Copeland™ reciprocating compressor solution, a 330-liter capacity vaccine storage refrigerator was developed in a record time. Enabling safe vaccine storage in multiple remote areas.

Result

Emerson's engineering and application team guided refrigerator manufacturer in accelerated system testing. The refrigeration system was developed in 15 weeks, ensuring on-time delivery to each cold storage facility. With its global talent, superior technology, and comprehensive solutions, Emerson is in a unique position to support in upgrading healthcare infrastructure.

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