CENGN

TSARO INNOVATION HIGHLIGHT

tsaro

COMPANY OVERVIEW

Tsaro provides safety and security solutions for the elevator industry. Tsaro has developed a suite of camera, voice controlled button activation, and IoT (Internet of Things) products designed to enhance elevator safety and provide insights into elevator service requirements. The innovative elevator safety and risk management software platform is transforming the elevator industry one ride at a time.

LOCATION: MILTON, ON

TECHNOLOGY

Internet of Things

Anas Siddiqui, CEO, Tsaro

anas.siddiqui@neuvativ.com

tsarosolutions.com

Rick Penwarden, Sr. Manager, Marketing

rick.penwarden@cengn.ca

cengn.ca/projects

EFFICIENT ELEVATORS

Elevators that don't function properly end up costing building owners and property management companies thousands of dollars. Even false alarms from the elevators can take a major toll on a building's expense account. Over the past year alone, the Toronto Community Housing Corporation (TCHC) has suffered 360 non-emergency alarms from the elevators, accounting for over $600,000 in fines from the fire department. The elevator industry needs innovative solutions to keep costs down while delivering safer transportation.

TSARO: OPTIMIZING COST AND SAFETY

To provide that innovative solution, Tsaro has designed and developed an *ASME A17.1 2019* code compliant video verification solution and an IoT product suite to enhance elevator safety and provide insights into elevator service requirements. Tsaro offers security cameras connected to emergency help button to help the passengers trapped in the elevator to get connected with the security monitoring station, front desk security, or a mobile application help system. The company also offers a touchless solution for voice controlled operation of elevators to reduce the spread of COVID, and IoT sensor platform to predict elevator maintenance requirements. Tsaro strives to keep costs down for building owners and deliver passengers safely, providing an innovative solution to better the function of elevators.

COST EFFICIENCY AND CAPACITY CONFIRMED

Tsaro leveraged CENGN's infrastructure to identify how many concurrent video streams can be ran simultaneously on the Tsaro's server. Through the project, the company observed that in the case of an unreliable network, they can adjust video resolution to optimize cost and usability. Tsaro demonstrated that their camera solution optimizes costs for their clients, creating a win-win opportunity for all.

> "Through this project Tsaro confirmed that in the case of an unreliable network, we can adjust the video resolution to optimize the cost and experience for all users."
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> **Anas Siddiqui**
> CEO, Tsaro