

RATE Customer Success Story by X Platform

REIDY AIRPORT TERMINAL EQUIPMENT



Established in 1996, **Reidy Airport Terminal Equipment (RATE)** is a home grown, Australian-owned business based in Victoria. Their expert team operates throughout Australia and the wider South Pacific to guarantee the best ground service to Airports.

“Every day, the aviation industry is met with new and increasing requirements to go cleaner and greener.

EXOR HMI provides access to consumption data supporting the “Go Green On The Ground”, an initiative to reduce greenhouse emissions and utilise solar energy to provide ground power and preconditioned air to aircraft while docked at the terminal”

Chris Beech
Business Development Manager,
RATE Australia

Story Orientation

Headquarters: Broadmeadows, Victoria, Australia

Sector: Airport Equipment

Employees: 14

Machinery number: 10

Project Start Year: 2020

X Platform: HMI & IPC + Edge Visualization

Project Summary

X Platform employed to RATE case: supporting customers in their sustainability campaigns within their respective markets, providing high-durability products capable of monitoring and transmitting data to effectively manage sustainability indicators.

RATE’s Challenge: go green on the ground

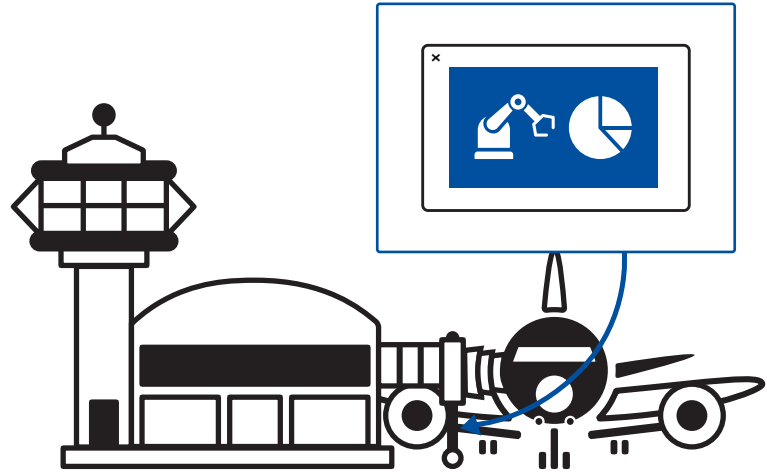
In response to the sustainability initiative launched by Darwin International Airport, RATE is facing a significant challenge. The airport’s ambitious project involves the installation of state-of-the-art Pre-Conditioned Air (PCA) systems and battery-powered Aircraft Ground Power Units (eGPU) from ITW GSE as part of a comprehensive terminal upgrade initiative. This overhaul also incorporates the implementation of a proprietary billing system for a pay-per-use strategy.

One of RATE’s challenges is to implement on their projects future-proof touch panel interface that could meet the airport’s demanding requirements. The touch panel needed to strike a delicate balance between robustness, ensuring it could withstand the rigors of airside environments, and modernity, offering cutting-edge functionality. Furthermore, it had to boast high brightness capabilities, making it suitable for external use in various weather conditions, a crucial aspect for airside locations at airports across the country. This endeavour was not merely about delivering a functional piece of equipment but aligning with the airport’s sustainability goals. RATE had to consider energy efficiency, durability, and seamless integration into the airport’s larger sustainability framework.

RATE's Solution: Digitalization of machinery and billing system

RATE has developed a customized billing system, complete with NMI-approved metering, to deliver precise billing information. This solution empowers equipment owners to monitor and charge for equipment usage in compliance with Australian and New Zealand standards. Whether for fixed gate or mobile equipment, RATE's billing system is fully compatible with the 4G mobile network, ensuring seamless cloud connectivity and instant access to your ground support equipment data.

Effective management is paramount, and this necessitates a user-friendly Human Machine Interface (HMI) with a visibly robust graphical interface. This interface is designed for effortless operation, catering to both operators and owners, and provides access to consumption data in all weather conditions, both locally and via the Cloud.



Our Technology: X Platform

Hardware

HMI eX707G: Integrated control panel within the machinery structure for machine operation visualization and control. The Glass HMI are the specific category of product built for harsh environment and an outdoor usage. The main capabilities are a lighter screen and a stronger glass protection.



Software

Runtime Software JMobile: license uploaded on eX707G. Helpful to adapt the machines to a wide range of communication protocols with only one technology.

X Platform Results



Highly Bright display

Outdoor use is simplified, so the sale of final product.



Excellent Monitoring

In pursuit of sustainability, the goal is to achieve real-time measurement control.



Your Challenge,
Your Solution,
Our Technology

EXOR

JMobile

COVINA

ONE

DIGIBELT

Next-Steel
Solutions

AXEL

FACTORYAL

Keep in Touch!

Contact us

sales.it@exorint.com
+39 045 875 0404



Business
Partner

EXOR
OCEANIA