

Regional GATEWAY

Dedicated to regional and business airports

December 2019
regionalgateway.net



THE CHARISMATIC CEO MEET RAMPA RAMMOPO

Automation in ATM • Sustainable Aviation Fuel
Spotlight on Oman • Baggage handling innovations



Arrivals

Short stories, stats and reviews



Total airport management

AirportCreators' Joris Stolwijk explains how 'Runwave' can help integrate non-scheduled traffic within your digital airport strategy.

We've been working at Lelystad since 2015. Part of the Royal Schiphol Group, the airport was originally a small airfield focused on general aviation (GA) traffic. However, to relieve capacity constraints at Amsterdam's primary hub, the decision was made to open the airport to accommodate point-to-point low-cost traffic.

It's the first new commercial airport in the Netherlands in 50 years. The airport has undergone a rigorous transformation with upgraded infrastructure and active Air Traffic Control and the runway has been extended to cater for the new traffic. Part of the problem was how they would manage the runway capacity in terms of serving both GA and CA traffic.

We designed the Lelystad Airport Runway Scheduling App (LARSA) as a cloud-based solution that can manage the airport's GA interests in line with scheduled flights. It's based on our Runwave platform, which is essentially a tool for airports to have more insight into how GA aircraft use the airport.

It's a simple and easy-to-use interface. Pilots indicate runway usage and share this data with the community so that everyone can optimise their flight planning by avoiding using the runway when high traffic is forecast. It will integrate with AODB for inclusion of

scheduled flights into the capacity model and a probability-based algorithm creates accurate traffic forecasts while maintaining flexibility for pilots.

Air Traffic Control can also see and monitor the spread of traffic more accurately. The advanced dashboard offers live overviews of upcoming GA movements, including visualised traffic peaks. Airports can also indicate maintenance periods and other runway closures and communicate more effectively by sending push messages and updates directly to pilots.

In the background there's plenty of self learning going on to optimise and make predictions more reliable, especially around GA traffic.

Lelystad has been integral in the development of the app and we're excited to have the airport as our launch partner. It's still early days, but in our roadmap for developing the app is the ability to manage airport charges and payments which would reduce workloads for both pilots and airport staff. We see this as a platform not for isolated airports, but for the wider community. It runs in the cloud in a secure environment and has been designed to scale up to multiple airports, so ultimately pilots could use the same app for different airports.

