

# Mobile simulation Case Study

Taking simulation into the field

**TotalControl**  
ATC simulation



“Our TotalControl mobile simulator allowed us to engage with the Nelson controllers at their location during the development and introduction of PBN arrival and departure procedures, with minimal impact on their daily operational commitments and rosters.”

Kevin Braithwaite  
ATS Specialist – PBN

## Background

Airways NZ is progressively introducing Performance Based Navigation (PBN) approaches into locations around New Zealand. Nelson was the next location to have new procedures introduced and the team wanted to engage with as many people as possible during the development and introduction of the changes using simulation. Nelson is over 400km away from the Airways training centre, which contains the nearest fixed TotalControl simulators.

## TotalControl solution

The mobile simulator was loaded with the proposed PBN approaches, which the procedure developers took with them to Nelson. Controllers were introduced to the procedures and shown them in real time in the simulator. This meant they had the opportunity to give feedback while the procedures were in the development phase, supporting engagement with the change process.

The portable sim in a suitcase option was chosen because getting the ATCs off the roster and into the training centre Simulator to provide feedback would've meant increased cost, logistics, and roster disruption. Whereas taking the Sim to the Tower enabled more people to be involved in the change, helping to spot any quality improvements or changes early, while making the change tangible for the Tower.

## Key facts



### Fast & Simple

less than 15 minutes  
to setup



### Cost Effective

hours not days off  
the roster



### Engaging

bringing procedures  
to life



### Easy & Convenient

sim in a suitcase

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[international@airways.co.nz](mailto:international@airways.co.nz)

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