



New Trains Update

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30 October 2017

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We will transform rail travel in the North

£1bn

**TO TRANSFORM
RAIL TRAVEL IN
THE NORTH**

More attractive and coherent services

Fleet transformation

Better customer service

More frontline roles

Closer community links

Attracting people out of
their cars with this ...

or with this ...



98 New Trains

- Aluminium Bodyshell
- 100mph operating speed
- 2+2 Seating
- 283 (4 car) 203 (3 car) 123 (2 car)
- Seat back or fixed style tables
- Air conditioned
- Lap top / mobile power sockets
- PRM TSI compliant, two wheelchair spaces and one universal access toilet per unit.



The trains

- Passenger Information and Communication System with real-time feed from Darwin
- Passenger WiFi
- CCTV Systems (internal saloon and external - including FFCCTV and Pantograph CCTV on EMUs)
- Seat Reservation System
- Advanced Passenger Load Identification System



Successes to date

Interior design finalised

- Layout
- Seat design
- Colour scheme and schedule of finishes



Successes to date



Designed an ergonomic cab with our driver representatives

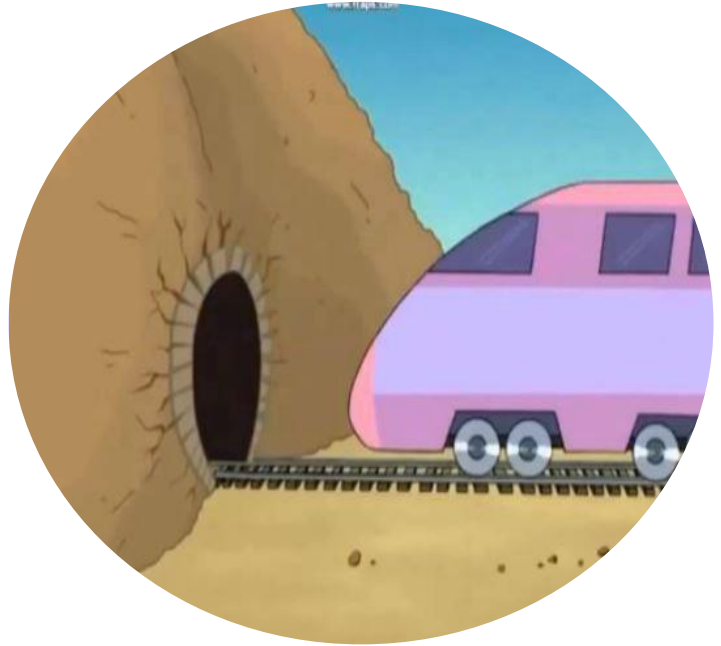
Successes to date

Turned drawings
into bodysells



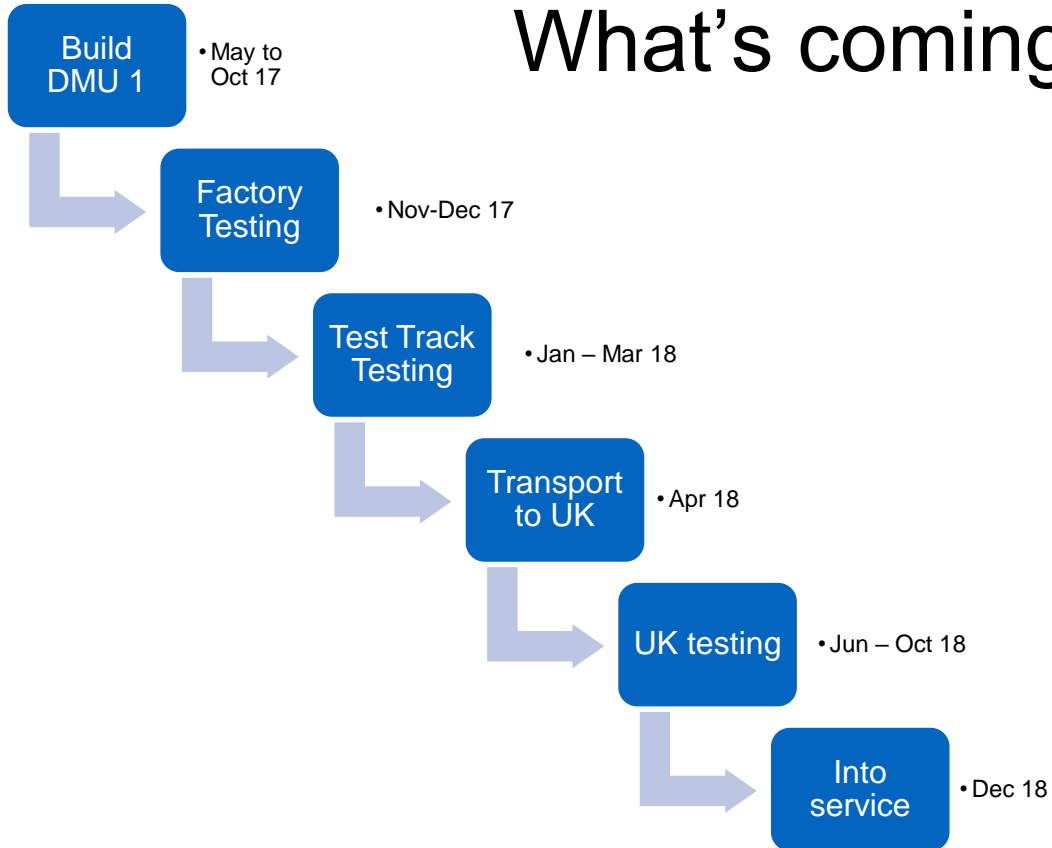
Challenges

- Our Victorian infrastructure is small
- Equipment reduced slightly
- Delays to assembly
- Forecast delay into service
- BUT, we've pulled the forecast back on schedule



- Now we need Network Rail to make the infrastructure fit for purpose

What's coming up



What's coming up – communications milestones

- Cab mock-up arrives in UK
- Press visit to factory – late 2017
- Unit 1 complete – media early 2018
- Stakeholder and employee visits to factory – early 2018
- First trains seen in the UK, Spring 2018
- Build up to entry into service

