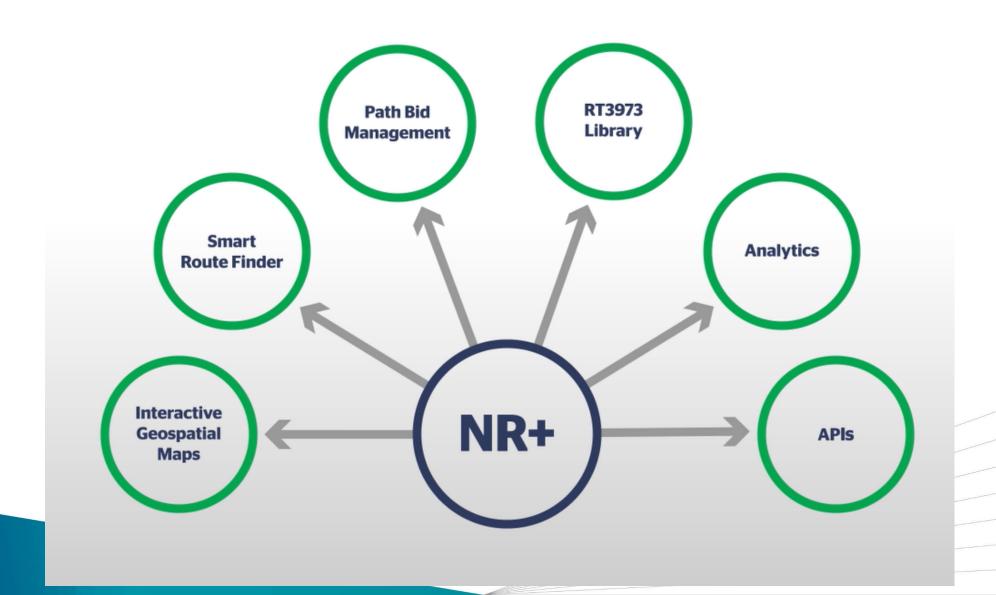
Overview of the NR+ platform





Interactive Geospatial Maps

- Easy way to access rail capability information
- Find specific locations
- Highlight restrictions

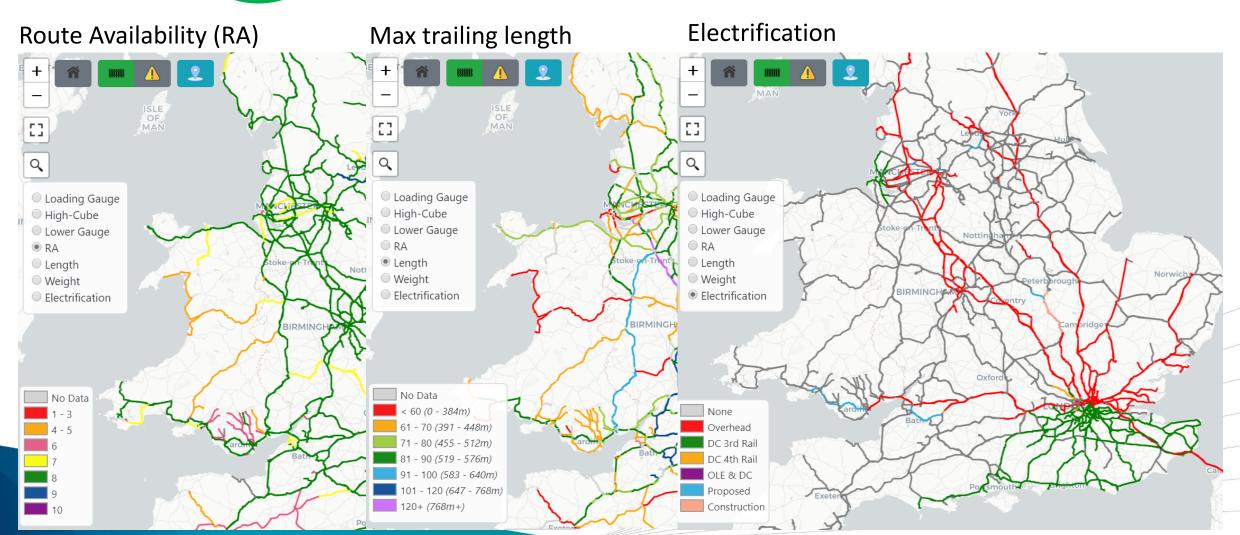
ST ANN'S BAKERSFIELD RADFORD NOTTIN SNEINTON WOLLATON LADY BAY Wilford West Bridgford ELR: TSN2 LOR: LN ELR: TSN2 ELR: TSN2 LOR: LN3204@ × Reversible Loop [3506] Reversible Loop Reversible Loop [3506] General W6A W7 W8 **Route Availability** Source: NESA & 15th July 201 Loco Gauge *Route does not conform to (37/0 37/4 2890 3570 3190 3940 47/0 2935 3000 3170 3920 3150 3020 3735 3020 3735 6635 6490 6565 7675 5695 5820

Loading Gauge





 Various maps, including loading gauge, route availability, trailing length, trailing weight, electrification

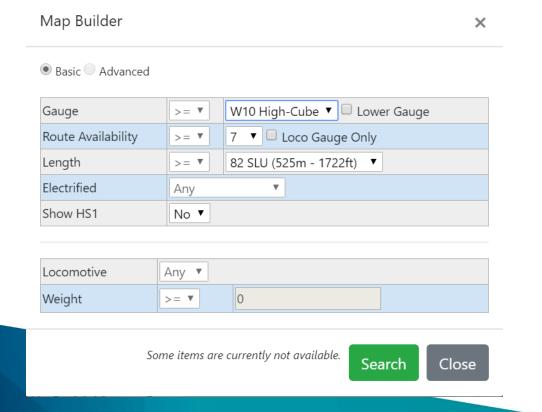


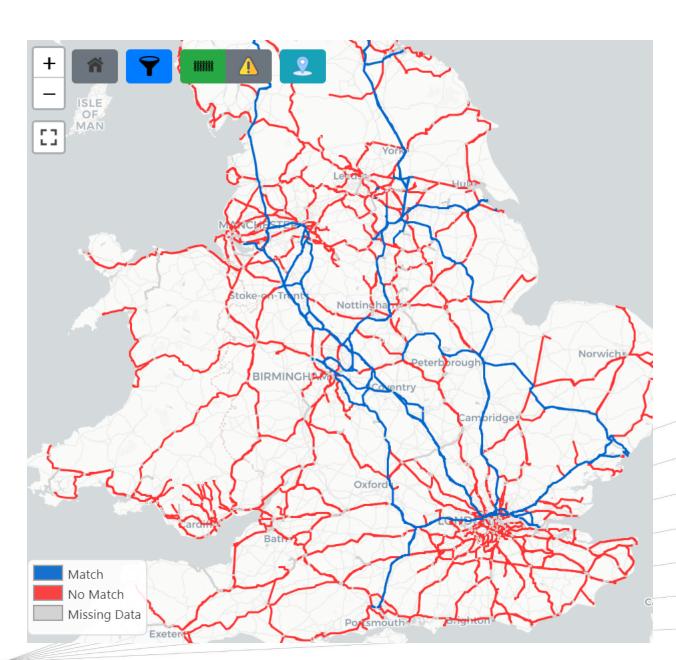




Build maps to identify routes meeting specified capability requirements

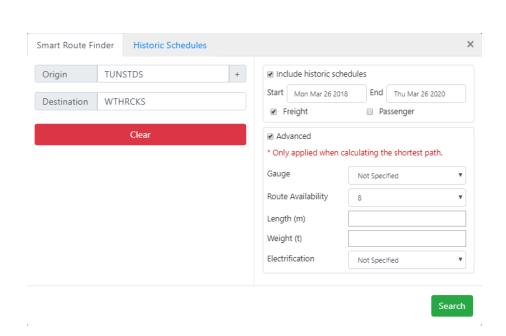
Where can I run long trains (more than 525m) with high-cube containers (W10)?

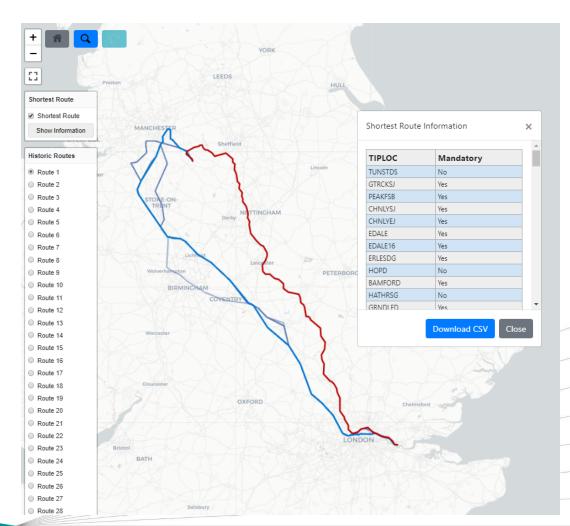






- Find the best path between two points
- Use our path finding algorithm
- Also consider existing and historic scheduled paths
- Consider gauging and other requirements
- Specify "via" or "avoid" points

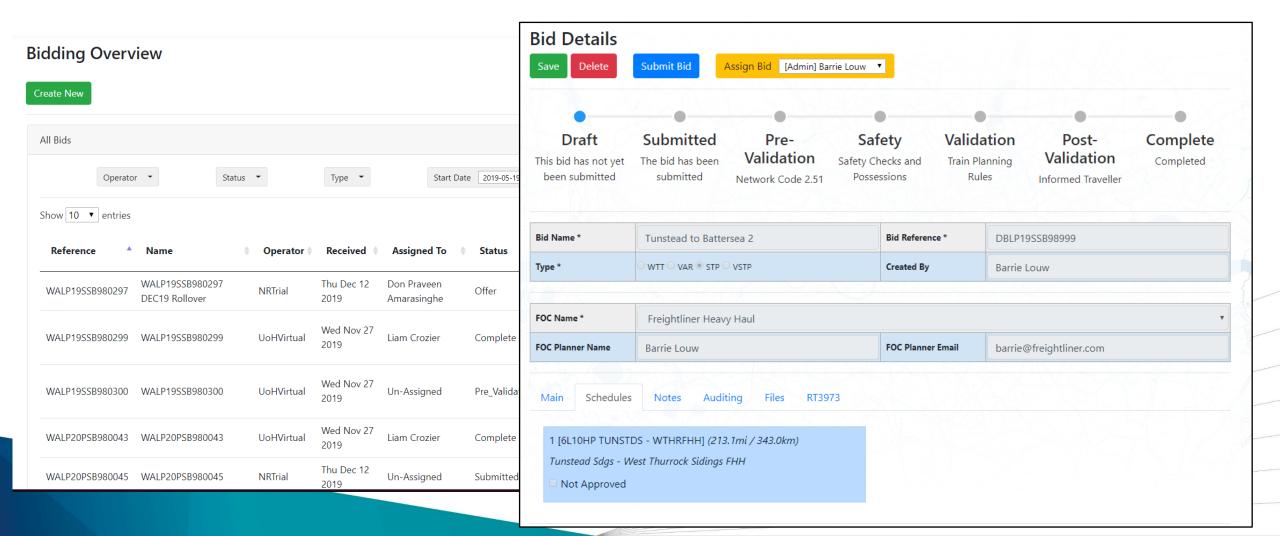








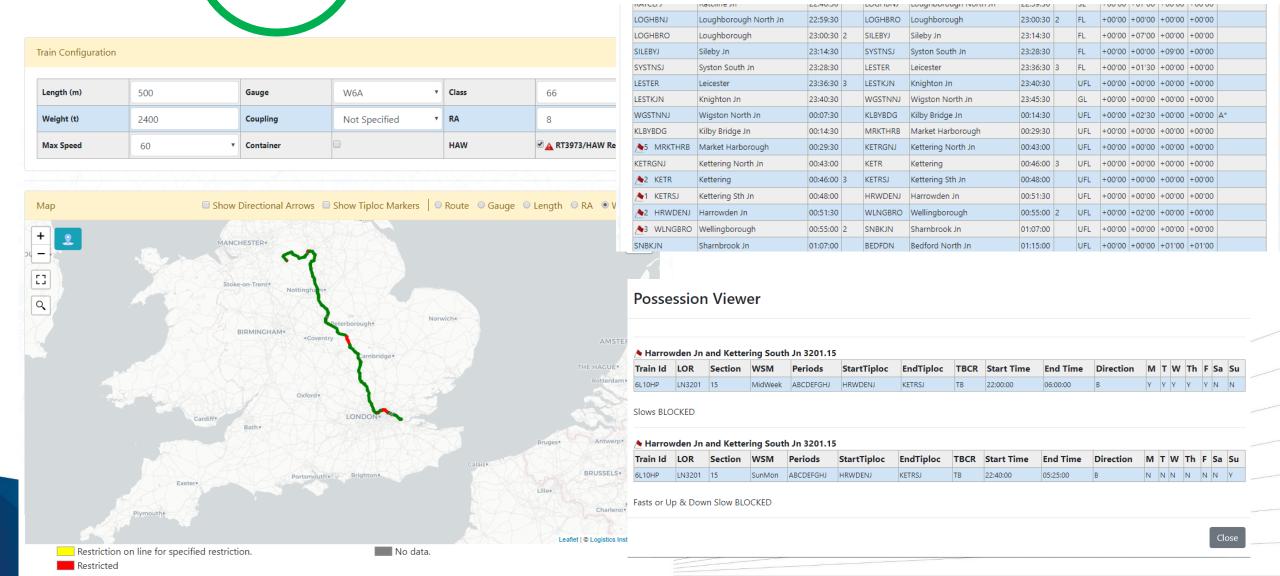
Draft and submit bids





Path Bid Management

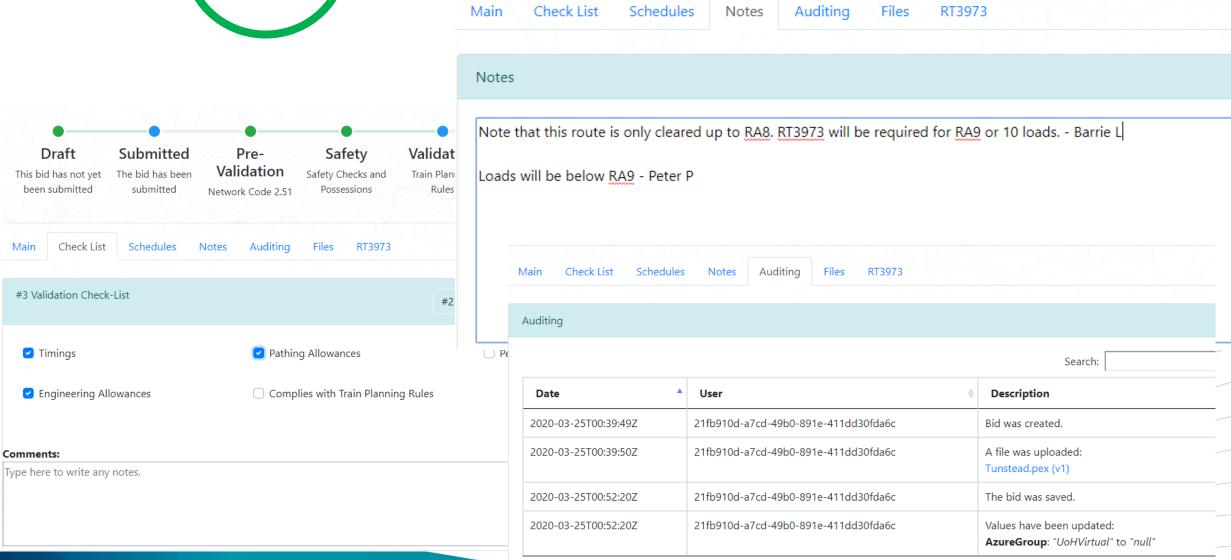
- Validate routes for Gauge, RA, length, weight
- Identify potential engineering access (possession) conflicts





Path Bid Management

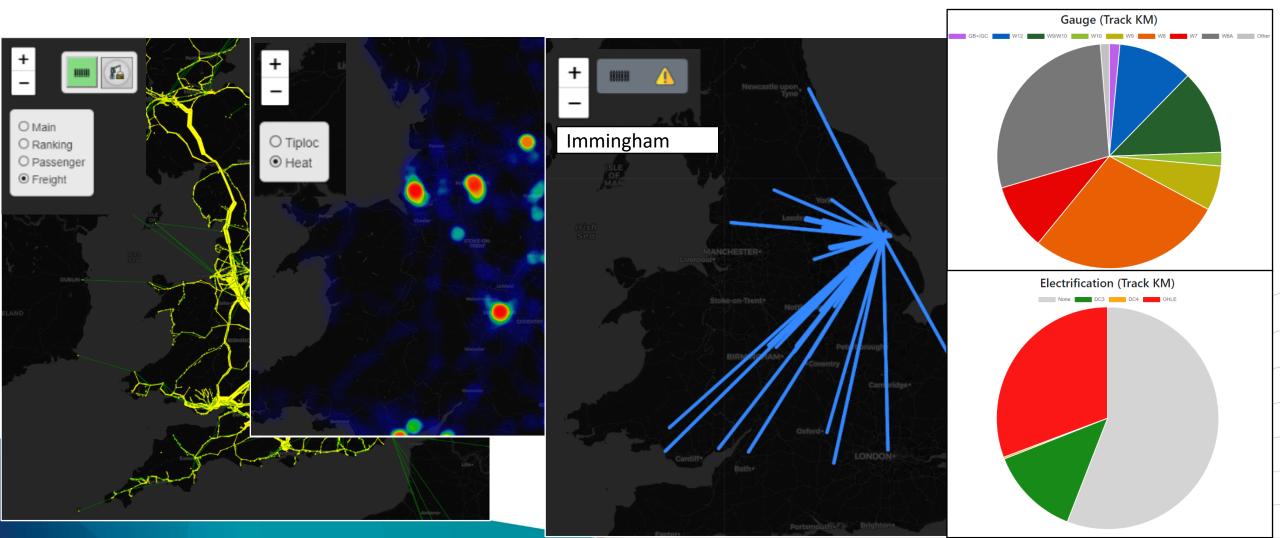
- Checklists for bid evaluation tasks
- Planner notes
- Audit trail







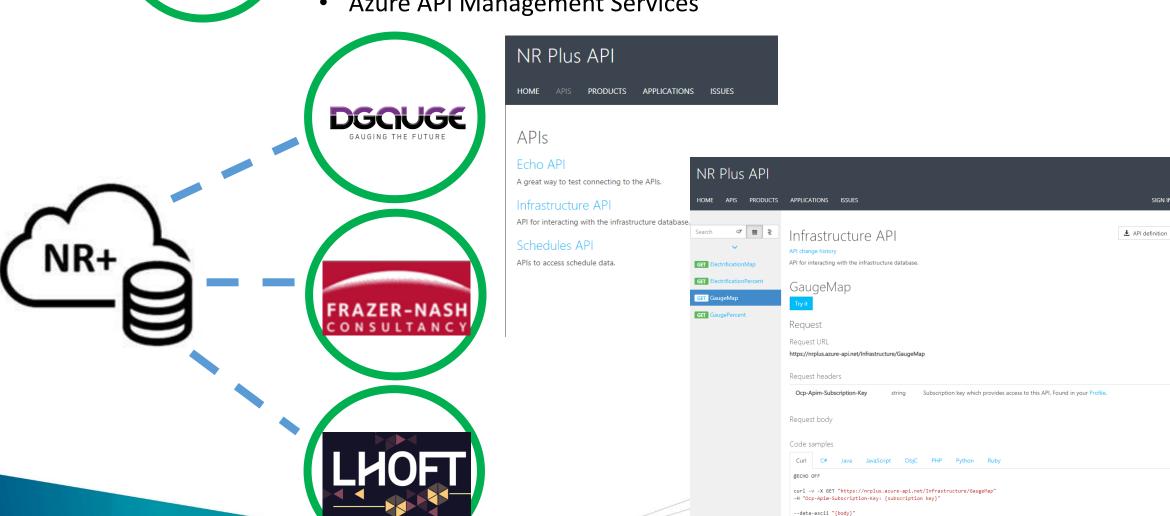
- Bringing together train schedules and actual movements and the network capability information
- Heat maps and weighted line for line traffic
- Infrastructure pie charts and stats
- To be expanded based on user request





APIs

- Exposing our database to be used by third parties
 - Research
 - **Applications**
 - Web-sites
- **Azure API Management Services**







Type ▼

Expire

Sat Nov 30 2019

Fri Apr 30 2021

Sun Mar 15 2020

Thu Dec 31 2020

Tue Aug 31 2021

Wed Jun 30 2021

Sat Feb 15 2020

Sun Oct 31 2021

Tue Mar 31 2020

Fri Feb 28 2020

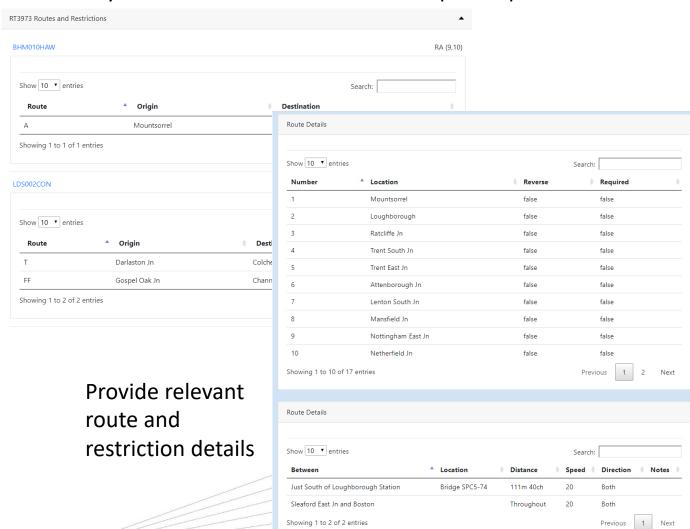
Search:

J.

View

- Prototype built and demonstrated (CON and HAW)
- First digitalised library of special dispensations (RT3973)
- To be further developed during the next year

Identify relevant forms and routes for a specific path



Searchable RT3973 Library

Issued

Fri Jun 21 2019

Wed Nov 20 2019

Tue Apr 30 2019

Tue Sep 03 2019

Tue Nov 05 2019

Thu Jul 25 2019

Wed Nov 06 2019

Mon Nov 18 2019

Wed Apr 18 2018

Mon Jul 15 2019

▲ Type

HAW

HAW

CON

CON

HAW

HAW

CON

CON

CON

CON

RT3973 Library

Show 10 ▼ entries

BHM010HAW

BHM027HAW

LDS002CON

LDS006CON

LDS022HAW

LDS052HAW

LDS070CON

PAD006CON

PAD035CON

PAD083CON

RT3973 Reference

All RT3973