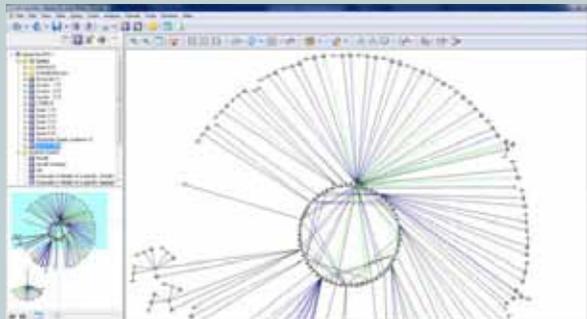




7. In order to bring the wider detail out, the model can also take the location data of the companies and automatically map out all of the locations of all suppliers. Shown above is the global map of the 'Dreamliner' supply chain.



8. The model allows for complex modelling as well. The diagram shown above is the supply chains for A320 and B737 combined. This allows us to show connections between aircraft, details of shared suppliers and who may be putting out work packages in future. All of the data shown graphically here can be broken down in reports and then exported to excel, allowing you to take a complex analysis above and display it as a series of excel spreadsheets

For more information about Global Benchmarking and how the NWAA can assist, please contact our Innovation team.



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Guide to Global Benchmarking



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What can Global Benchmarking do for you?

- Offers a market comparison tool and supply chain modelling tool
- Identifies market and work package gaps with all OEMs
- Compare competitiveness against global market competitors for bid scenario modelling or strategic positioning of work
- Allows you to take complex supply chain data and view it in an easy, navigable format

The Global Benchmarking model collects together a vast range of information on aircraft supply chains and competing market analysis to produce an interactive tool for assessing current state of the aircraft market.

In short, the Global Benchmarking model allows you to see who is making what, where and how competitive their capability is against your own.

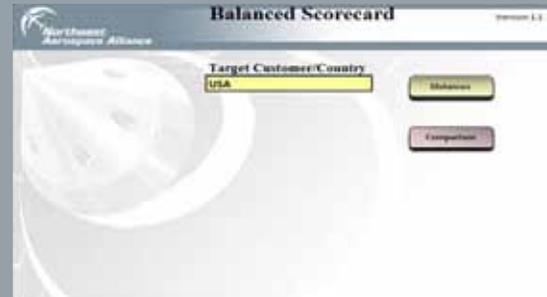
Aim

Deliver a reliable Global supply chain model to allow informed decisions to be made about future make vs. buy strategy

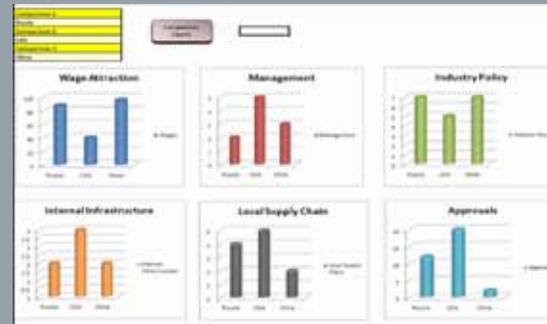
Objectives

- Avoid using anecdotal evidence that is often incorrect.
- Deliver a reliable method for comparing regional capability with other regions of the world.
- Have a searchable model that contains the major civil and military programmes covering the next 20 years.

How does it work?



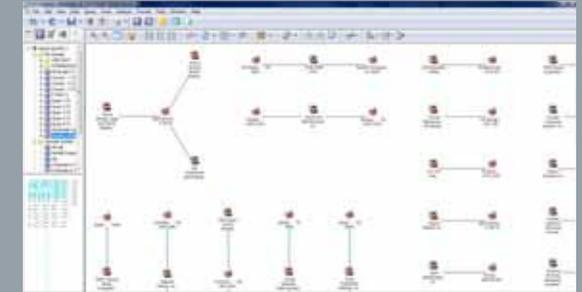
1. The competitive index calculates the country indices based on distance from customer and aircraft programme. This front page allows the user to select the customer location.



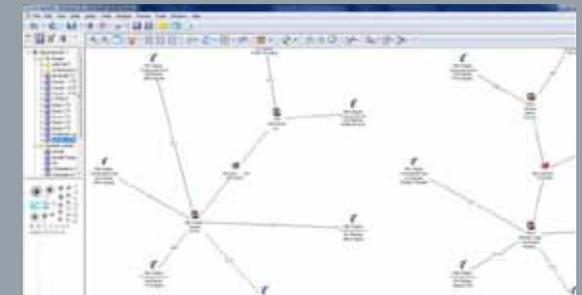
2. The score table can prove hard to make comparisons with so a series of comparison tables have been included to show exactly why a country scores higher or lower

Search Chain	Wage Rate Cost	Management Policy	Industry Infrastructure	Local Supply Chain	Approvals	Supplier	Industrial Stability	Y	Costs
Malaysia	80	1	7	5	1	0	0	1	118
Russia	80	1	7	2	1	11	0	1	104
China	80	1	7	2	1	11	0	1	119
South Korea	75	4	7	9	1	10	0	1	112
India	85	1	8	2	1	0	0	1	112
Mexico	80	1	7	2	1	0	0	1	105
USA	80	1	5	4	1	10	10	1	109
Brazil	80	2	7	5	1	0	0	1	101
Turkey	80	1	7	2	1	10	0	1	101
Spain	70	1	3	4	1	10	0	1	98
UK	80	0	0	0	1	10	1	1	81
France	80	1	0	5	1	10	0	1	81
UAE	80	1	0	4	1	10	0	1	81
Germany	80	1	0	5	1	10	0	1	81
Netherlands	80	1	0	5	1	10	0	1	81

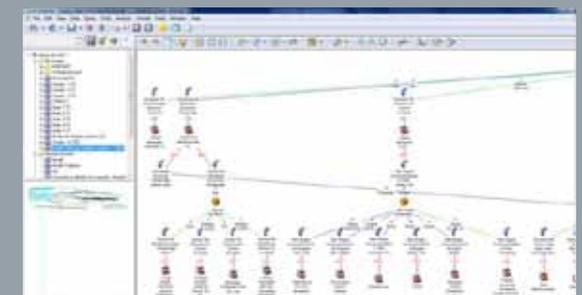
3. The results are then displayed in tabular form from highest to lowest total score with all the individual scores identified. From here supply chain maps for each country can be accessed via the 'Supply Chain' button.



4. The supply chain model allows us to show the breakdown of every major supplier in the country selected on the aircraft programmes we have identified, e.g. USA.



5. By drilling further into the data, the model allows for the exploration of every work package that a supplier is currently working on and on which aircraft, this starts to indicate the detail and breakdown of the supply chains.



6. Taking the search from another perspective, the model can select one aircraft and map its supply chain in its entirety, showing not only companies and work packages but component sections, material of the work package and split of a work package across different suppliers.