



HOPE 
Consortium

 **mUnity**
 A Better Tomorrow

HOPE 
Consortium

Framing the Challenge

THE COVID-19 VACCINE SUPPLY CHAIN



Global distribution

Temperature & Climate Sensitive

Supply vs Demand Imbalance

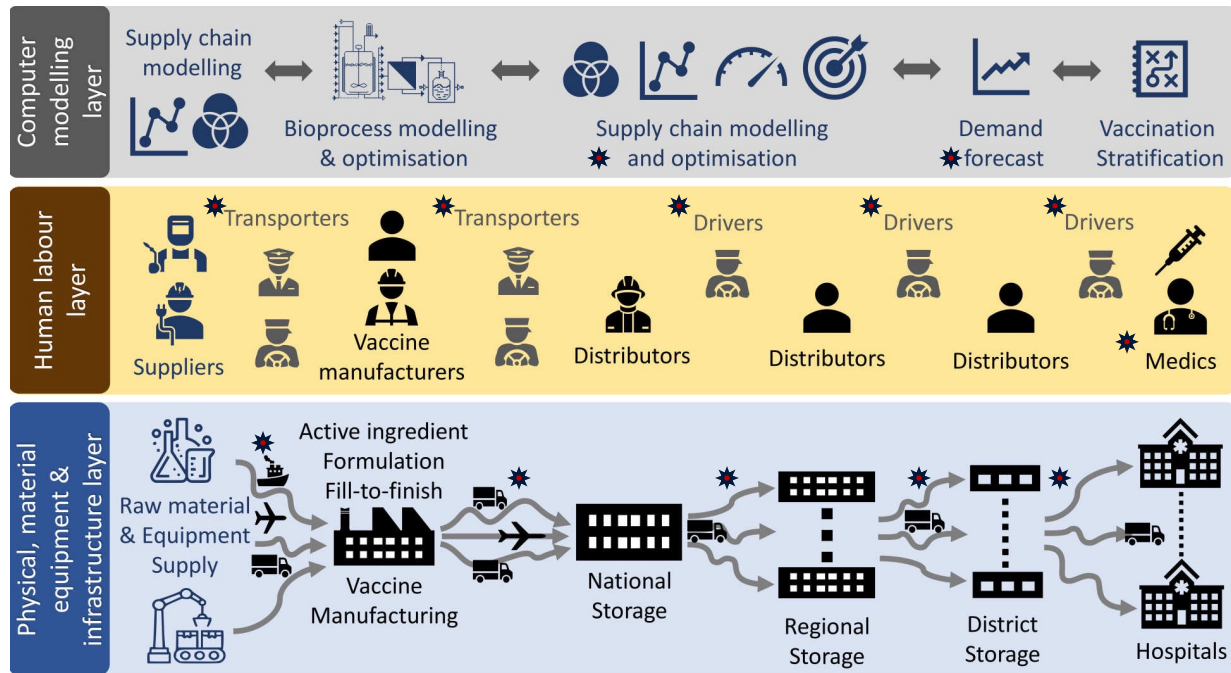
Speed to Market

Final Mile criticality

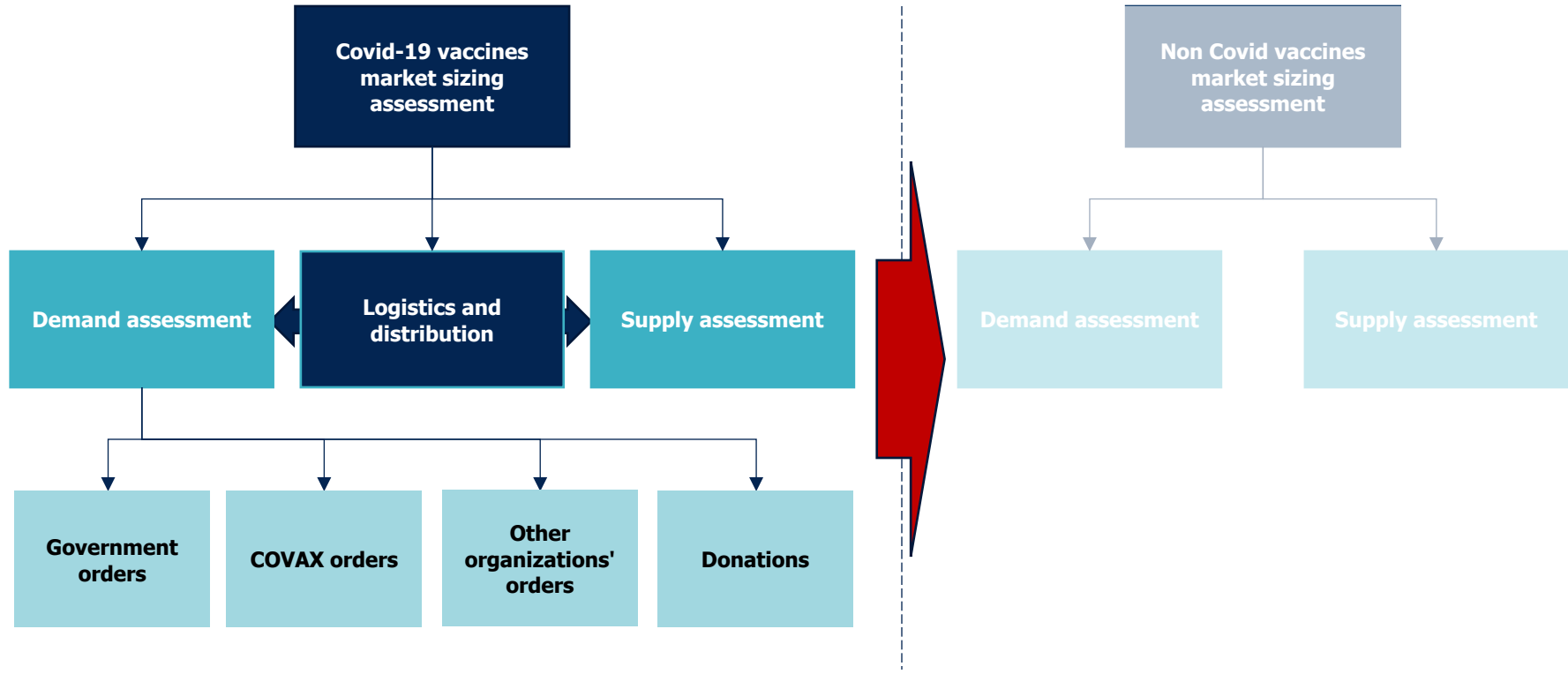
Infrastructure readiness



Ecosystem Dependency



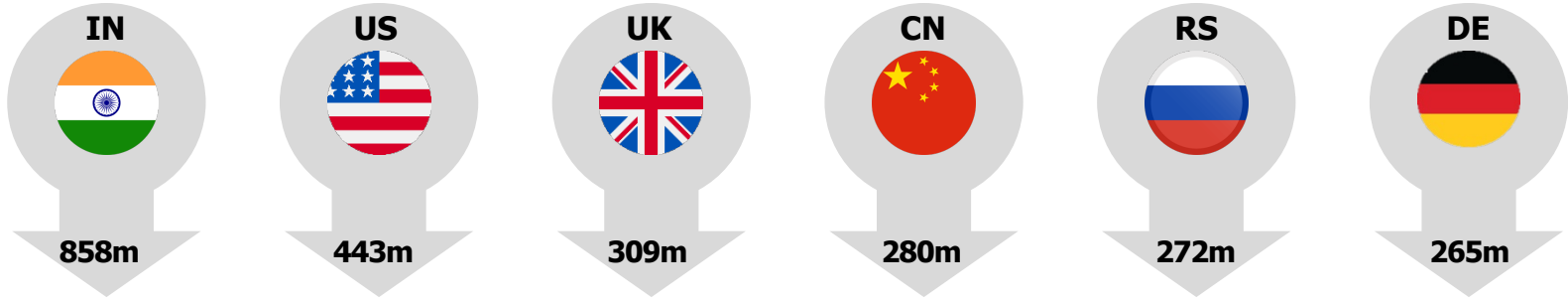
Calculating the requirements & building the framework



The top 6 vaccine manufacturer countries are responsible for ~80% of the supply

Top 6 COVID-19 vaccine producing countries for the proximity markets

Top producers supplying the target region



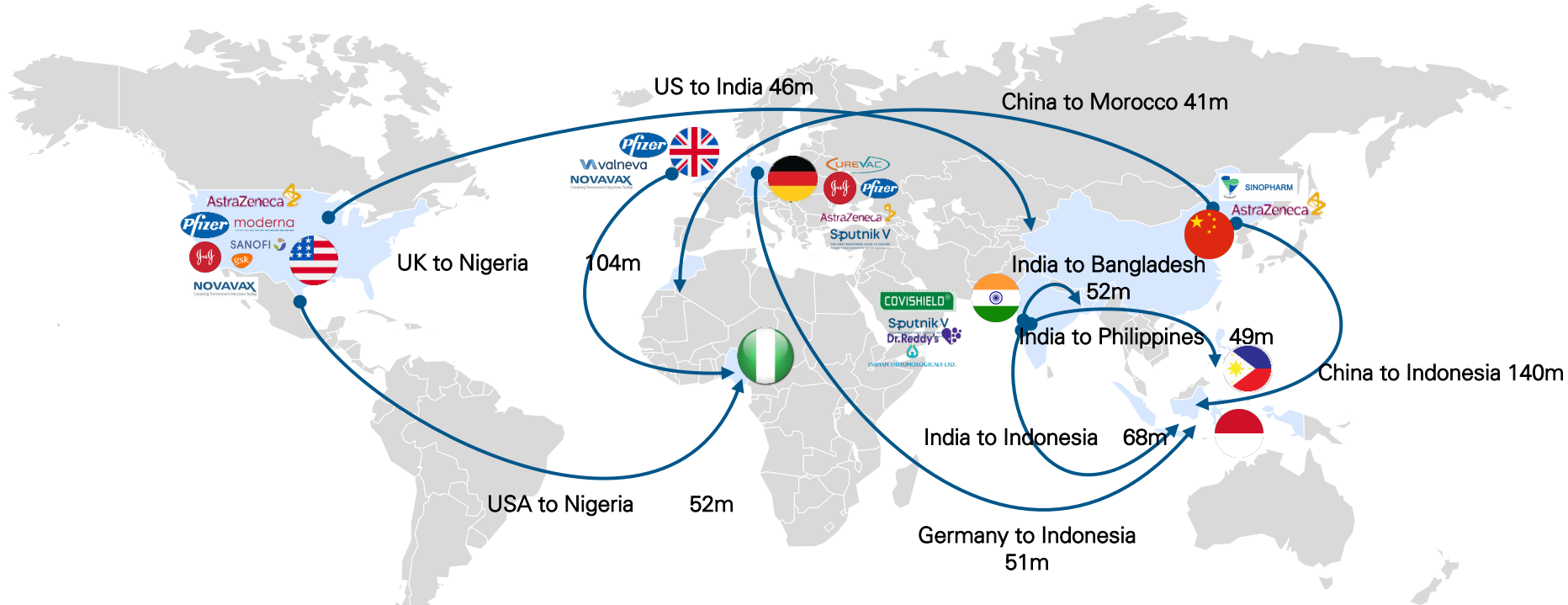
The top 6 supplier produced 2.4 bn vaccine shots for the target countries, being responsible for 80% of the production

Most common vaccines supplied



We identified over 500 COVID-19 vaccine routes out of which the top 10 routes represent ~642 million doses

Top 10 COVID-19 logistics routes



Hope Consortium - Overview

FOUNDERS



PARTNERS



Solution



Collaborative alliances that address end to end planning



Provide reach and scale via Global Hub & Spoke network



Leverage technology and Block Chain



Extend value chain from Production to Patient



Establish a Global Partner Network



Value Created



End-end capability via single contact point



Controlled pace of supply chain aligned to market capacity



Production to patient digital visibility via 24/7 control tower



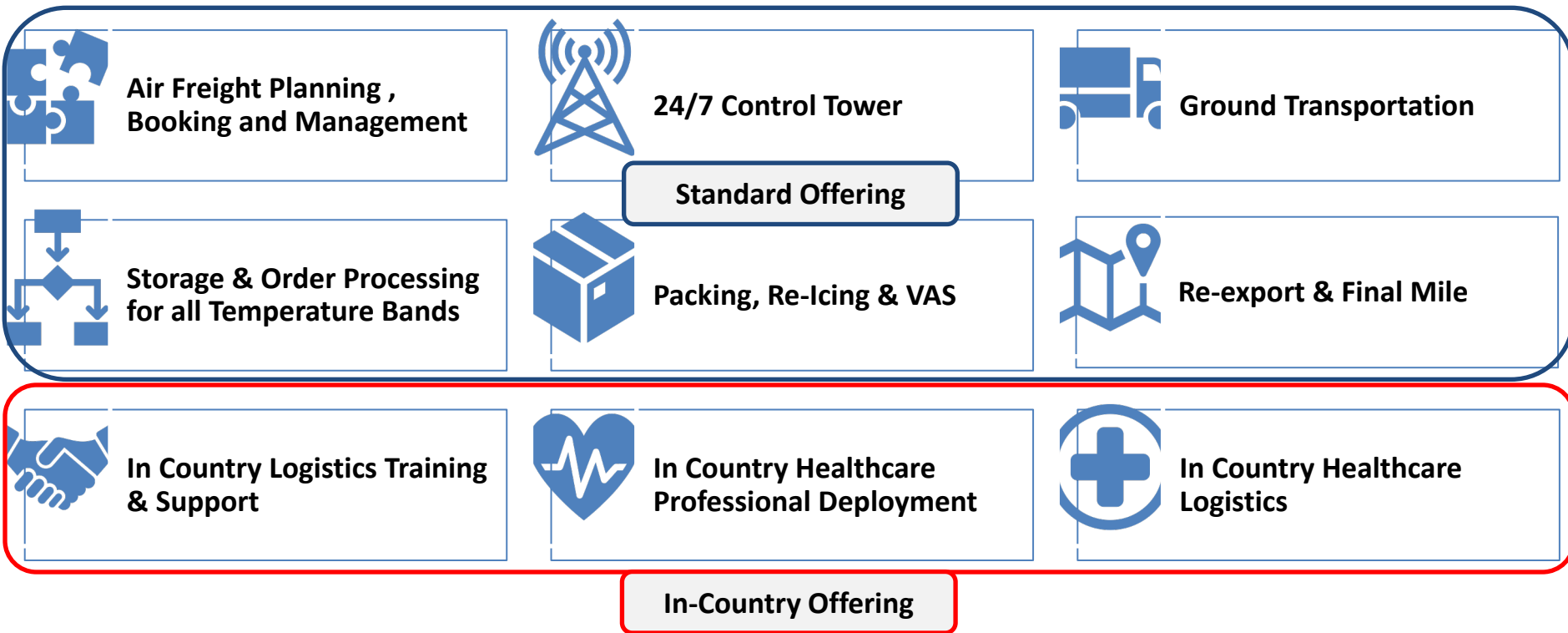
Secure proximity of vaccines to end users



Holistic Logistics & In-Country Healthcare Service

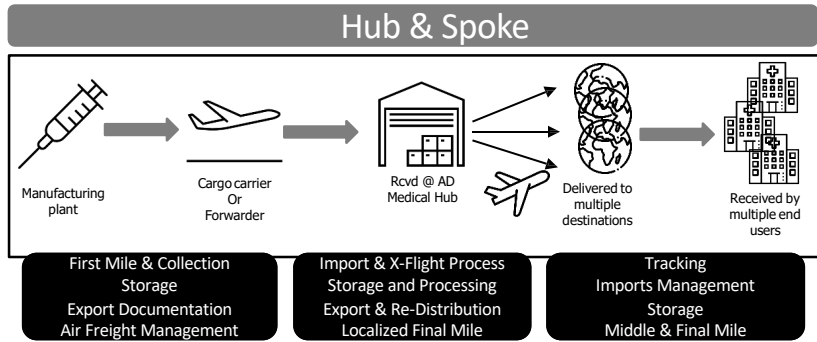
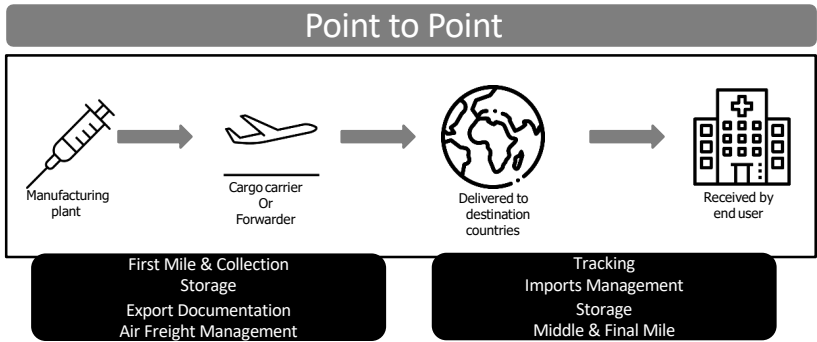
Solutions Overview

We provide a Holistic menu of services from point of production through to in-country vaccination programs. The Hope Consortium is the only organization providing a single point of contact and coordination for such a broad range of services – with our Geographical focus on Africa , Middle East , CIS, South America and South Asiaits not enough just to provide the Logistics to the Country hence we also offer deployment of Healthcare solutions in-country.



Geographical proximity to ~3.6Bn people - within 6 hours reach enables us to offer Point to Point and Hub and Spoke options to some of the most challenging markets

Requirement: Provide holistic solutions via a single entity to support the Covid19 Vaccination Programs



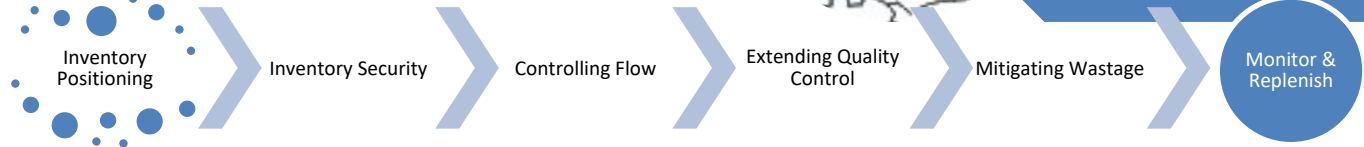
Point to Point

- Enables speed to market
- Reduces Touch Points
- Supports High Volumes
- Has Geographic Limitations
- Single point of failure (Risk)
- Eliminates de-consolidation opportunity

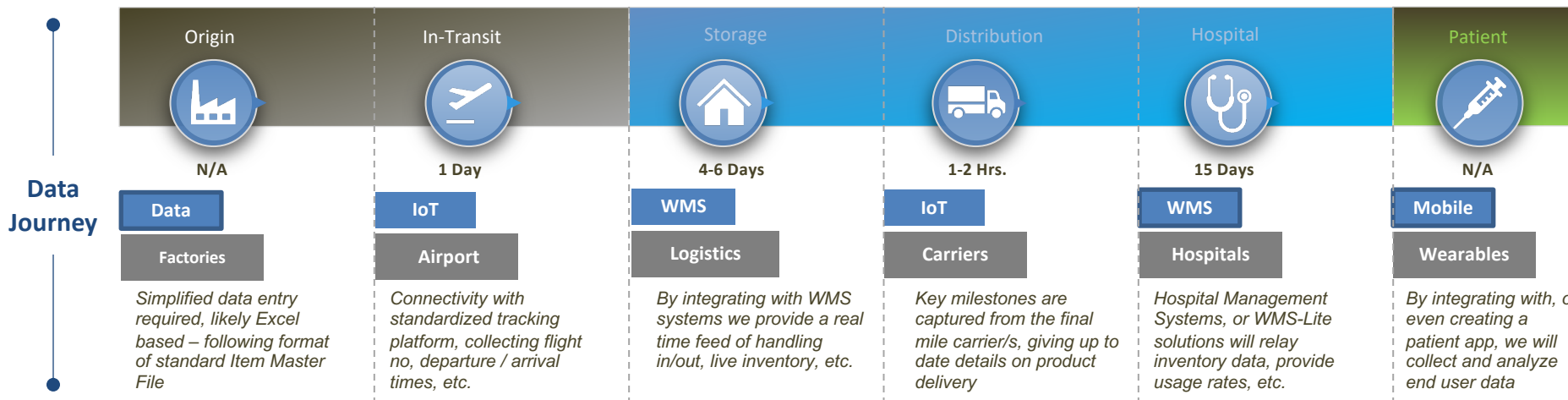
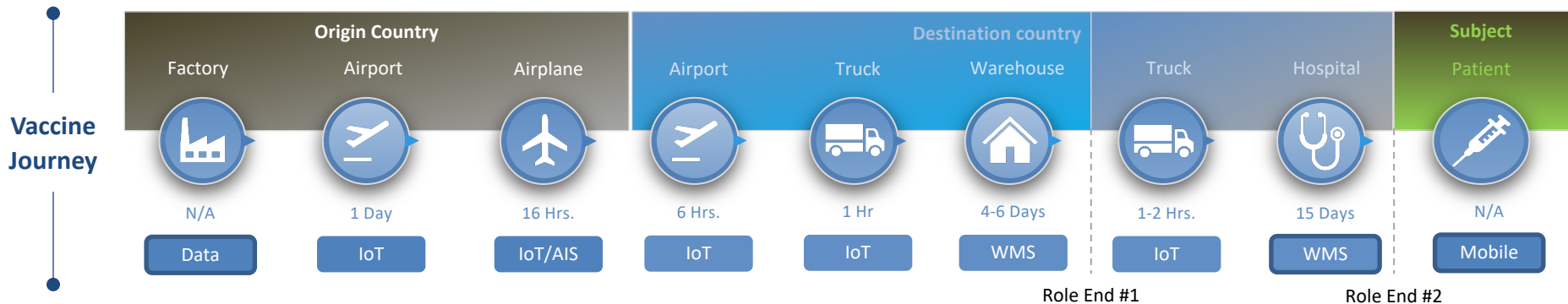


Hub & Spoke

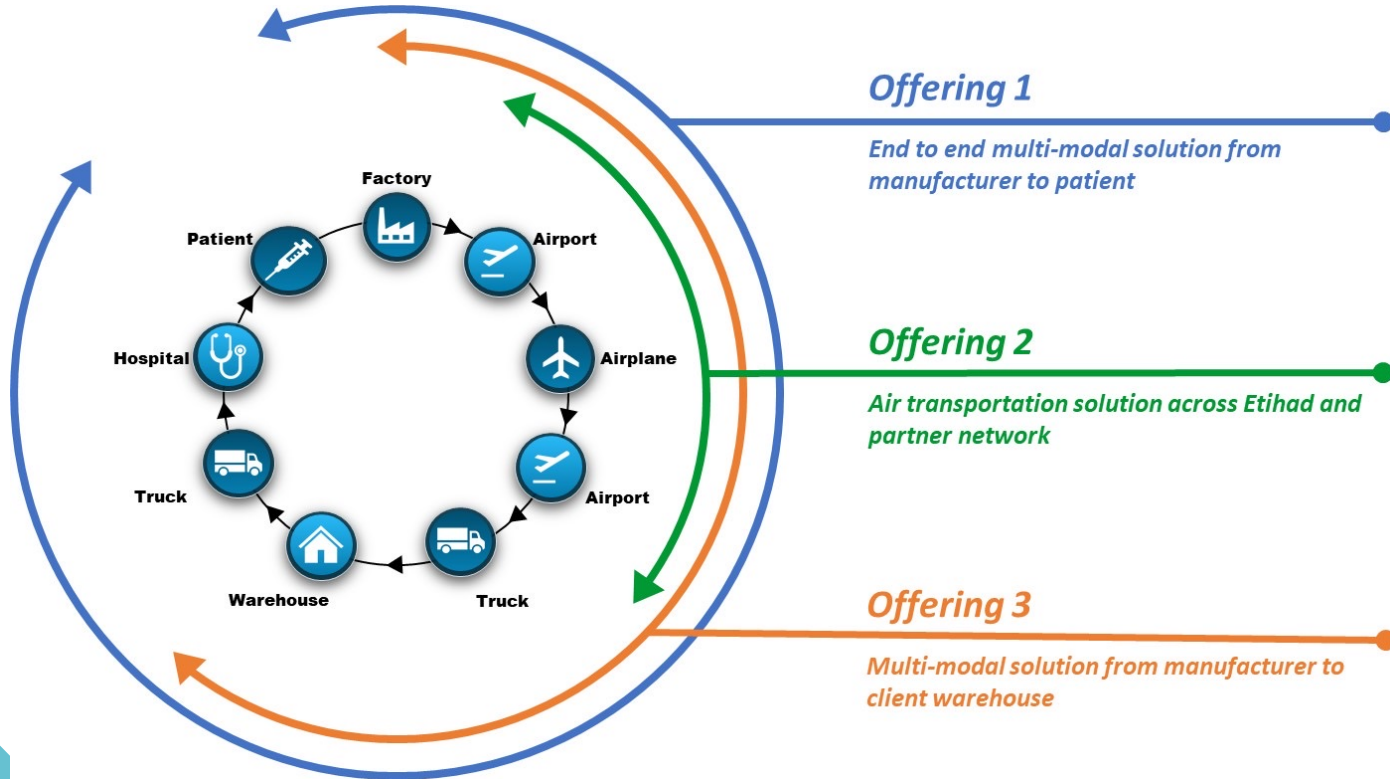
- Allows flexibility in speed to market
- Increases Touch points
- Allows for consolidation and deconsolidation en-route
- Supports variable demand
- Spreads risk across Supply Chain
- Supports proximity positioning



Physical & Digital Solution: *Block chain enabled digital solutions drive our supply chain*



Selecting the services required , pick from the menu....



Offering 1

End to end multi-modal solution from manufacturer to patient

Offering 2

Air transportation solution across Etihad and partner network

Offering 3

Multi-modal solution from manufacturer to client warehouse

Our Commitment

- Optimal Solution
- Quality & Compliance
- Complete Transparency
- Collaborative

In Summary : Production to Patient Solutions

Founders



Partners



Geographic advantage – gateway to region of **3.6bn** people



Global reach and Regional experience – extensive reach and regional facilitation



Over **120m** vaccine capacity under one roof across all temp bands



One stop shop – end to end solution through single entity



Menu based offering – select only the services you need



Scalability – largest scale vaccine and support infrastructure adaptable to your needs



Regulatory Compliance – fully licenced and regulated by DOH



Digital visibility throughout the supply chain

Vaccines don't save lives....Vaccinations do...

Thank You

