

ARC COLD CHAIN

To meet the global demand for Covid-19 vaccines

CHALLENGES:

The global COVID-19 pandemic introduces new challenges for the supply chain, which put extreme demands on the scale, speed, and capacity. One of the main logistical issues with the vaccine centers around distribution and storage is the need for some of the vaccines to be stored at extremely low temperatures of -80°C and specifically required timescales.

SOLUTION:

Advanco deployed its state-of-the-art serialization and aggregation solution, **ARC Cold Chain**, to meet these complex logistical challenges. The ARC cold chain solution enables easy management, maintains compliance, and utilizes historical data to optimize processes.

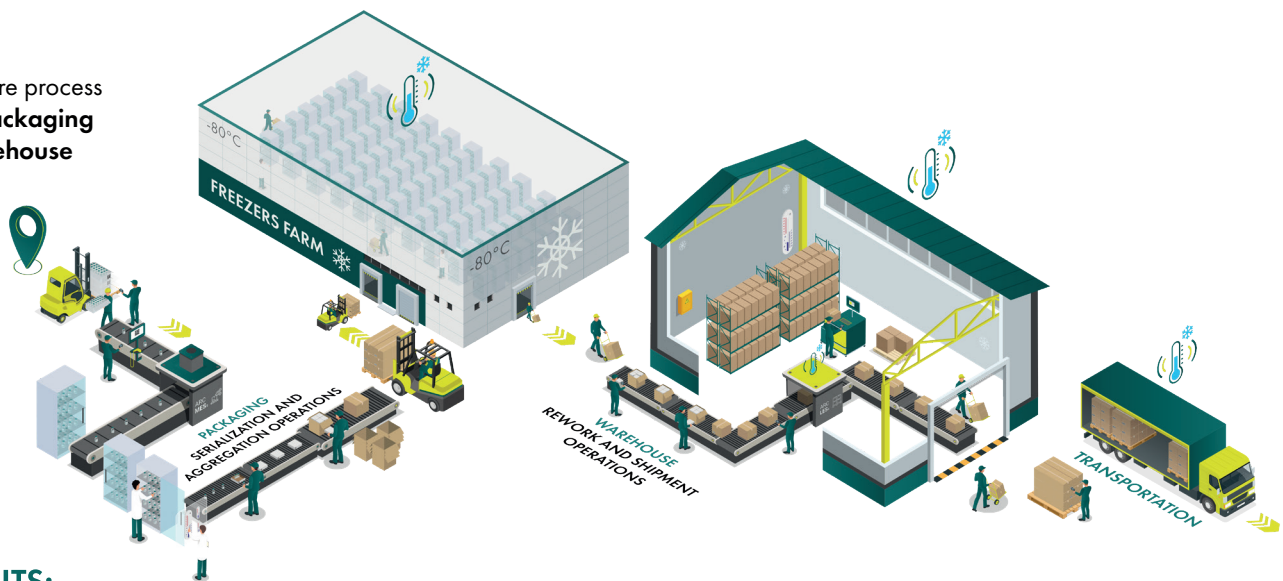
While ARC Cold Chain leverages pre-existing serialization solutions, it has specific functions designed for the Cold Chain:

- **Operational aides that remove inhibitors to efficiency.**
- **Business intelligence for continuous monitoring and improvement.**
- **Technology for feedback along the supply chain**



Furthermore, the frequent changes to packaging size, aggregation hierarchy, and machinery involved meant the serialization solution had to be adapted within a short timescale. To facilitate this, advanco introduced virtual aggregation hierarchies and capabilities to manage exceptions involving label damage and absence.

The entire process from **packaging** to **warehouse**



BENEFITS:



Proven infrastructure for **reliability and cost savings**



Flexible hardware and software solution adaptable to different scenarios



Detailed visibility across the site to **improve process efficiency**



Detailed quality monitoring for diverse logging requirements of cold chain



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