DISC

Digital **I**mmune **S**upply **C**hain
Management

A Cloud Based Robotic Process Automation to **predict & identify touchpoints** that cause delay or
that could cause delay in Supply Chain & unblock the delay causing traction before even it causes heavy delay,
through neural networks, DARQ, blockchain, IX.O, machine learning & natural language processing technologies.

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Problem Statement

With COVID19 pandemic scenario and the lockdown returning back to a new normal scenario with unlock rules posed by governments, many industries and businesses are going through disruption in their standard operating models.

There are manufacturers, logistics companies, retailers all going through a turbulence to their normal manufacture processes, vendor management system, customer relationship management, delivery and supply chain mechanism. There are delays caused because of **supply chain interruptions, inventory disorder, stagnation of irrelevant spare parts/products, shipment restrictions, logistics unavailability.** We see AI being used already by businesses and industries. But yet, the delays need manual intervention and intelligence to rectify the supply chain delays.
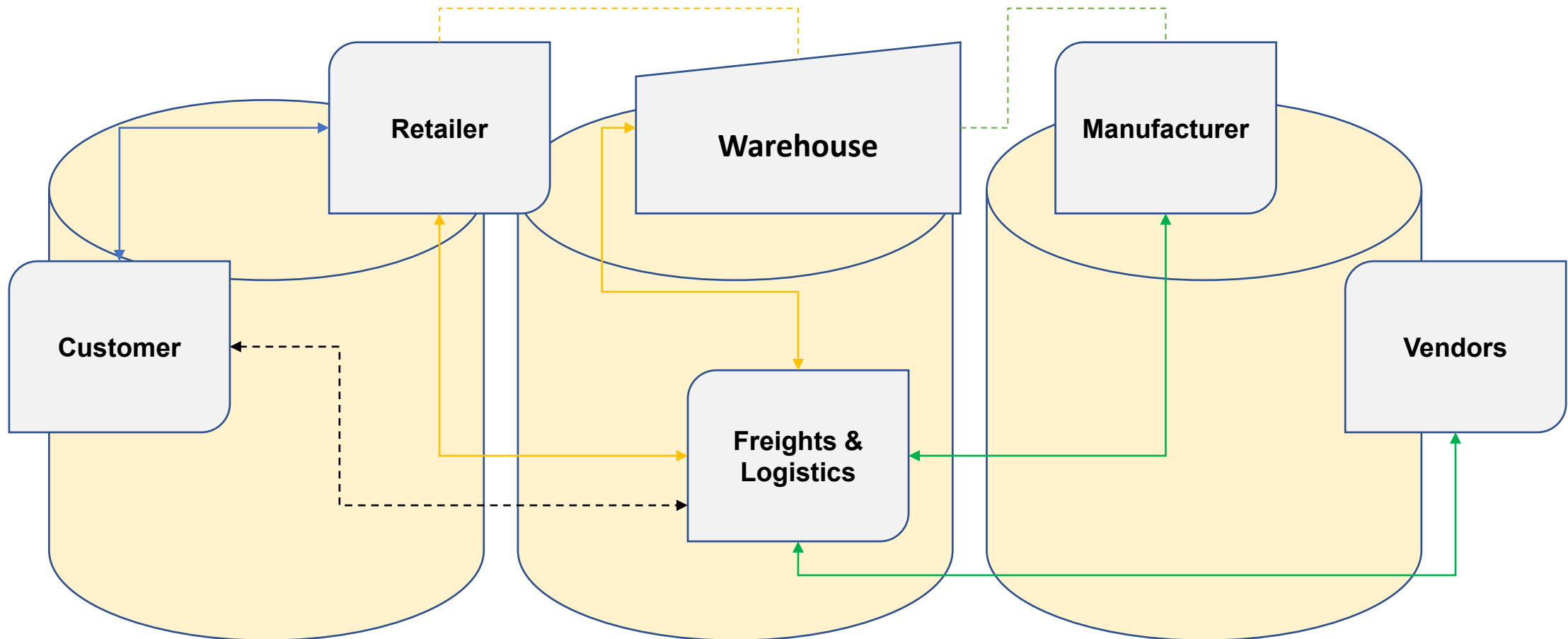
This brings in the need for an **automated system**, which has the **connected intelligence to identify delays across each touchpoints in the process, with prediction accuracy and act before being escalated by multiple stakeholders involved in the process**. This automation would step in and pacify the supply chain with agility.

The design philosophy is inspired by the Human Immune System where a transparent yet powerful and intelligent immune system acts to identify malfunctions, infections & self-cure and recover back to normal.
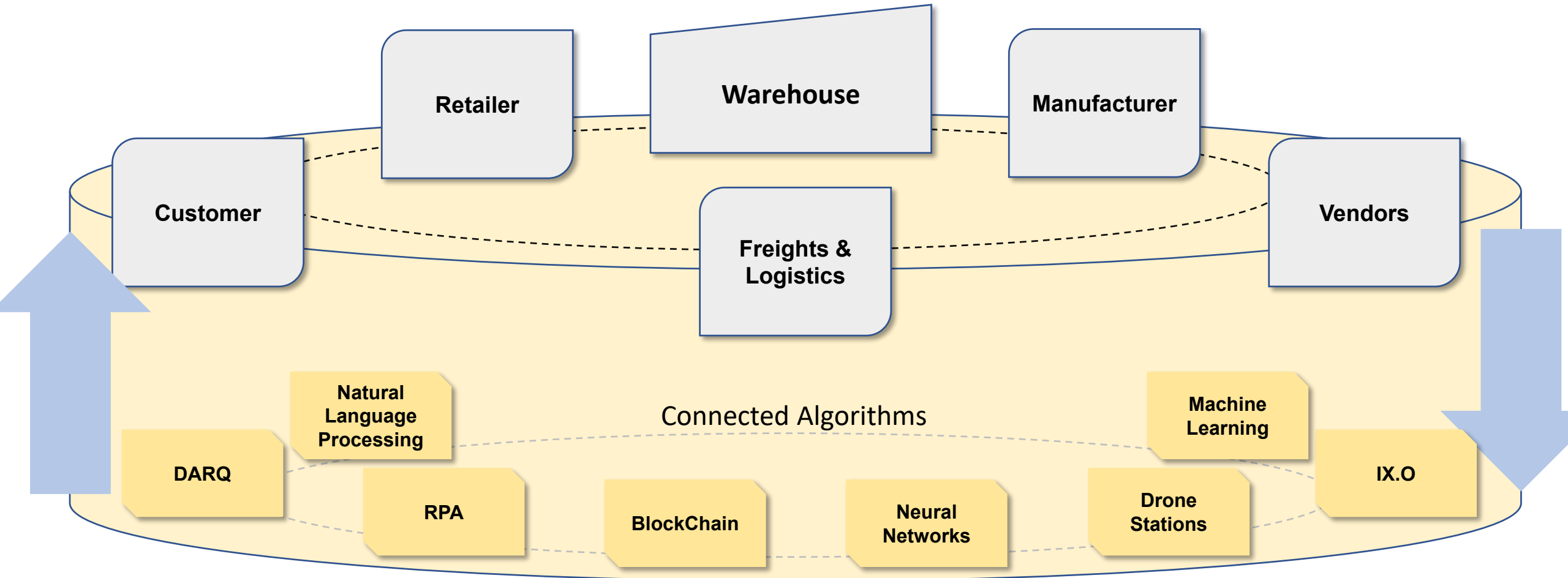
A supply chain Journey **without** DISC

The journey below illustrates the process and the supply chain network between customer, retailer, warehouse, manufacturer, logistics & vendors. As you see it is a **complex network** with several in-line channels, networks and processes. Businesses do use Digital as a medium to manage and operate through this network, yet this network is **not connected and VOID of a connected system** to predict and prevent digital malfunctions.
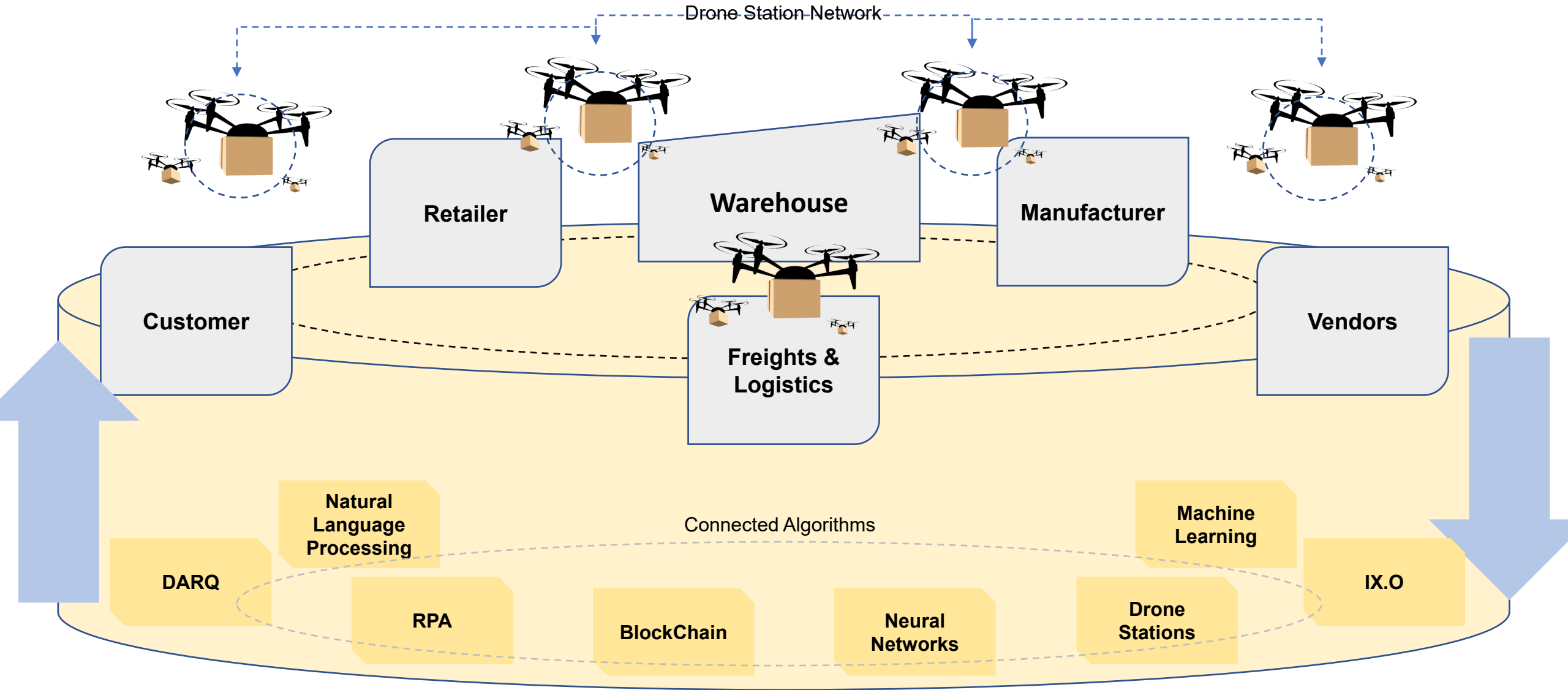
A supply chain Journey with DISC

The journey below illustrates the **presence of DISC ecosystem on which the entire supply chain management is onboarded**. The DISC Ecosystem Acts as an immune system to predict, identify malfunctions like delays, no service etc and **self-cures with an alternative** that is powered by RPA, DARQ, Drone Stations etc **to get the supply chain moving with agility**.

Drone Stations - Futurism

Drone POD networks of short distances, networked to form a larger and longer drone station network.

The Vision

It's a controversial tech vision debate about technologies like AI, RPA are a harm to human, replacing their jobs.

But these automated integrated systems would eventually help with more jobs in newer subjects & technologies like Drone Engineering, Connected System design.

"Technology at service for Humans, not to replace Humans".