



PLANNING IN A BOX 2.0

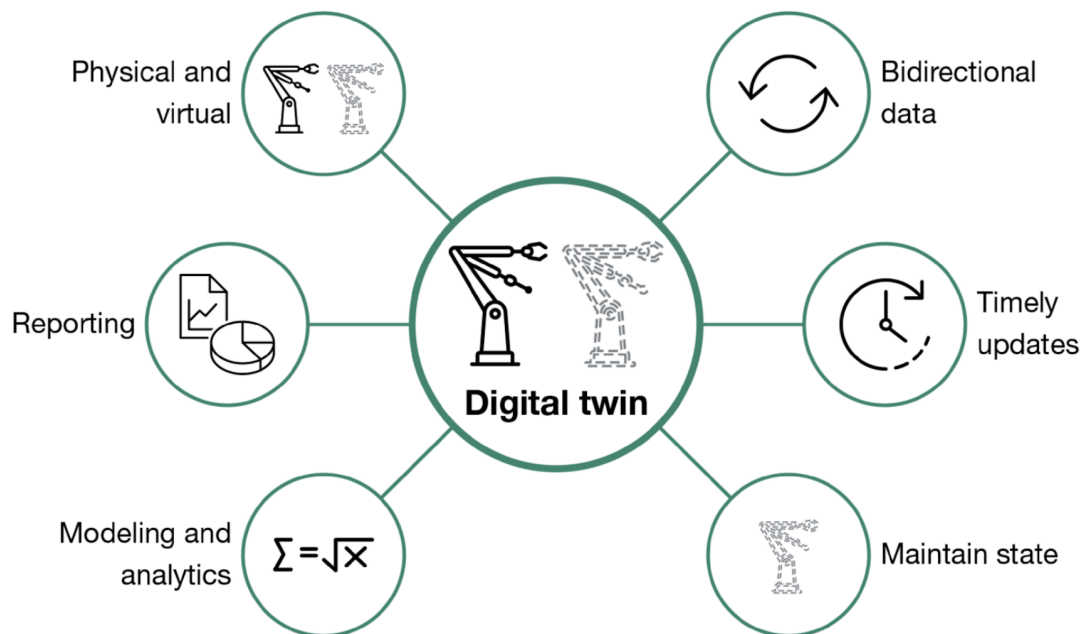
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INTRODUCTION



A supply chain can be termed as a complex, living organism. There are a labyrinth of swimlanes where movement of goods happen, there are processes running for the efficient running of the supply chain processes and then there are people handling the system. For any supply chain there would be multiple vendors supplying the raw materials, multiple processes running on these and finally multiple ways to deliver the goods to end users. The management of the goods, the decision making on the changing demand and supply and finally the execution of all the decisions is what makes supply chain management such a complex task.



SUPPLY CHAIN TWIN



A supply chain digital twin is a novel idea in this sphere wherein the idea is to bring in visibility across the entire supply chain process that happens in the real world. With visibility, the processes can be observed with the eagle's eye view and then the decisions on the processes and subsequent planning on the reaction to these events can be taken. A supply chain twin is basically a digital avatar of the real one happening in the world.

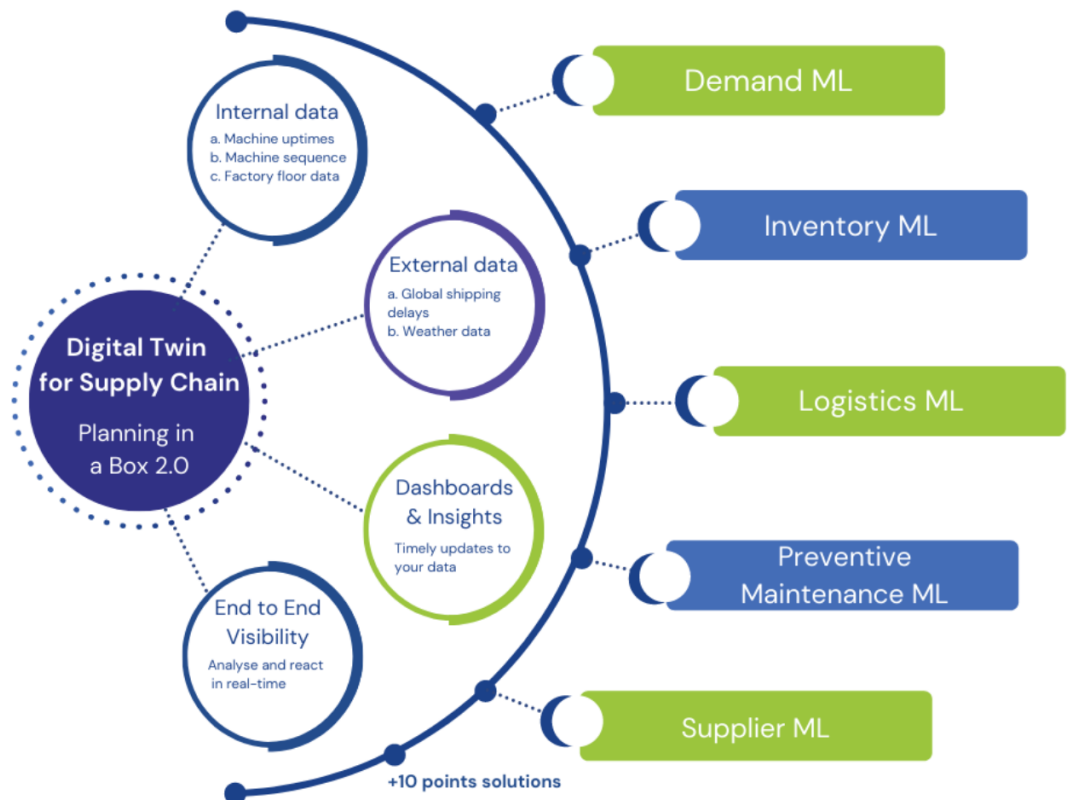
The backbone of any digital enterprise is data and how well the data is managed to make decisions. For the supply chain, the data needs to be ingested for a myriad of sources. The data, just from raw materials management can be coming in from vendors, from suppliers, transportation lanes etc. The data about inventory, demand, planning and supply needs to be managed as well to make an informed decision.



Solutions offered in Supply Chain Management

The Pluto7's Digital twin solution encompasses the following solutions:

- Demand ML
- Inventory ML
- Logistics ML
- Value Chain ML
- Preventative maintenance
- Supply planning
- Supplier planning
- Pricing ML



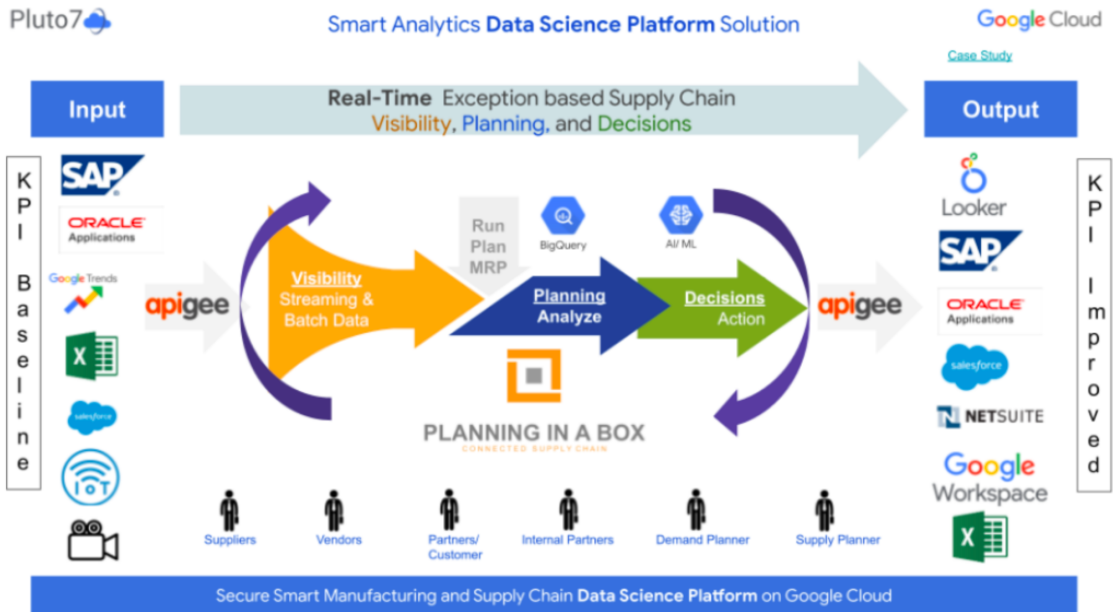


Planning in a Box 2.0

All of the aspects of data management is a cumbersome task. The in-house solution built for the same, Planning in a box 2.0, offers data management and also caters to the solutions mentioned above.

Plab 2.0 model helps to centralize data. The centralization of data removes the silos existing in the data in the traditional sense and brings visibility across the entire system. The data model is designed to ingest data from a variety of sources.

The data model also caters to a variety of supply chain solutions as listed above. The demand data, the supply data, the inventory data etc are all integrated into the single centralized model. Along with the traditional sources, the data model can ingest data being generated in the web, the web traffic analytics data, marketing insights and trends along with third party data.





REFERENCES

References:

1. <https://pluto7.com/piab-supply-chain-twin-solution/>