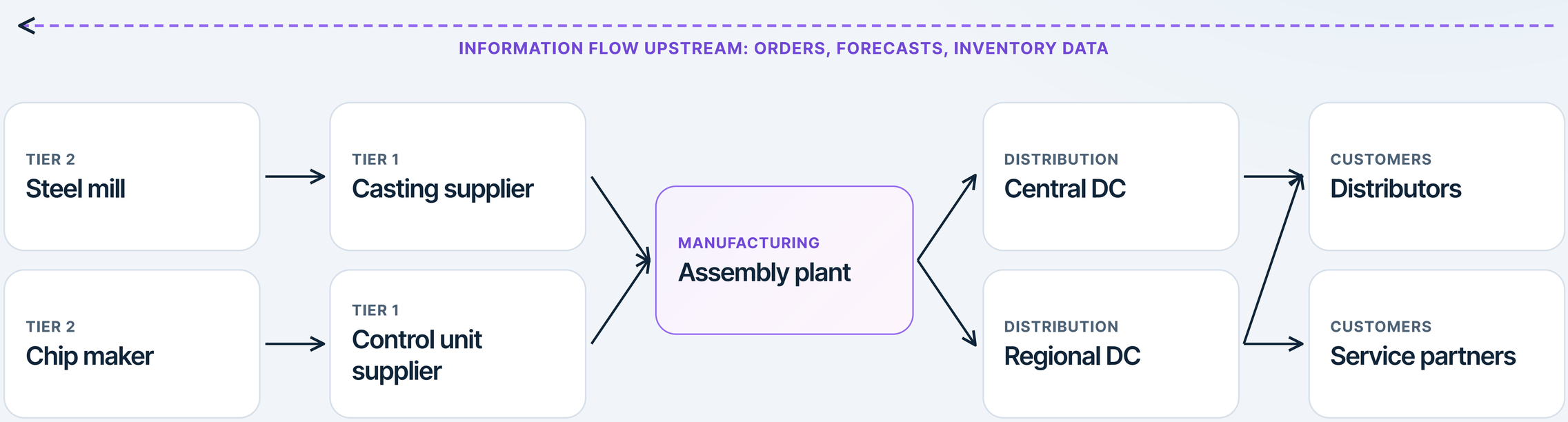
SUPPLY CHAIN & LOGISTICS

End-to-End Supply Chain Map

An end-to-end supply chain map shows every stage from raw material suppliers to end customers, with the material flowing downstream and the information flowing back.

01 THE CORE MODEL

MULTI-ECHELON NETWORK · MATERIAL AND INFORMATION



Echelon
One stage of the network: supplier, plant, warehouse or customer.

Material flow
Goods moving downstream toward the customer.

Information flow
Orders, forecasts and stock data moving mainly upstream.

02 SEEING THE WHOLE CHAIN

Stock and delays pile up where tiers do not share information.

SILO VIEW — END-TO-END

EACH TIER ON ITS OWN

- Safety stock added at every tier
- Demand seen only as next-tier orders
- Disruptions spotted late

END-TO-END VIEW

+ Shared demand and stock data
+ Buffers placed where they work best
+ Risks visible at tier 2 and beyond

03 WORKED EXAMPLE

INDUSTRIAL DRIVE MAKER · MAPPING ONE PRODUCT FAMILY

MAP
Five echelons
from mill to customer

→ FINDING
Stock at every tier
four buffers in series

→ RISK
Single chip source
at tier 2

→ ACTION
Second source
plus shared forecasts

04 MANAGEMENT TAKEAWAYS

01 — Map beyond tier 1
Many disruptions start at suppliers you do not buy from directly.

02 — Place buffers deliberately
Hold stock where it protects the most customers for the least money.

03 — Share real demand
Pass end-customer demand upstream, not just your own orders.

05 COMMON MISTAKE

LIMITATION

Optimizing one tier
Cutting stock at one tier often pushes it to the next and raises total cost.