

ELECTRONICS MANUFACTURING · DEFENCE AND AEROSPACE DEEP-TECH

Every chip serialised, every department accounted for

How a homegrown deep-tech startup building surveillance and signal-processing systems for defence and aerospace put its high-value components, department indents, BOMs, returns and multi-location transfers into Stock2Track.

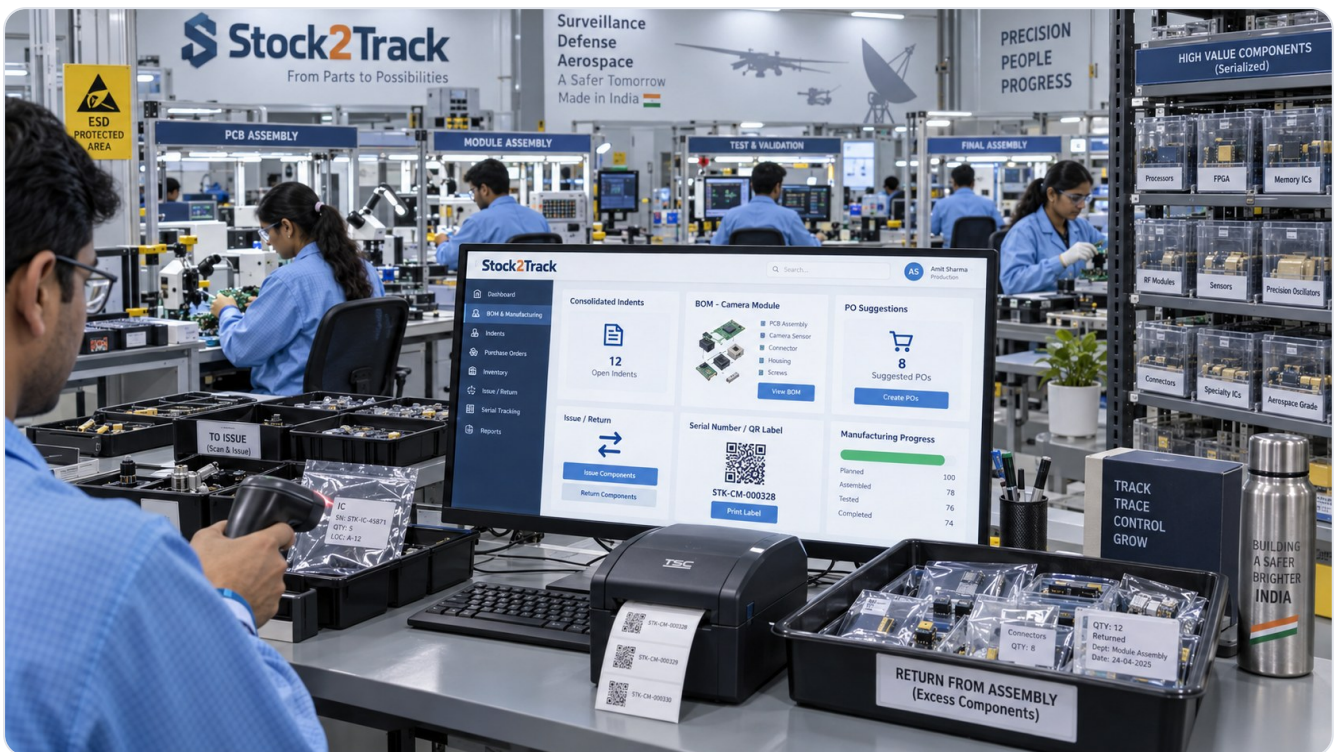


Illustration for this case study. It is not a photograph of the customer.

INDUSTRY

Electronics manufacturing, defence and aerospace

USERS

Inventory manager, departments, stores, CEO

INVENTORY

Integrated chips, small high-value parts

PLATFORM

Stock2Track with 2D barcode scanning

STRUCTURE

Many departments, several locations

CUSTOM WORK

Indents to POs, BOMs, serial labels, returns, transfers, dashboards

The business

The customer is an Indian deep-tech startup that delivers complete surveillance solutions and leads innovation in electronic intelligence and signal processing for mission-critical defence and aerospace applications.

Its inventory is integrated chips and small electronic components: tiny, easily mislaid and very valuable. Several departments do different assemblies, and each raises indents for what it needs, or indents are raised against a customer order to manufacture something. The company works from more than one location.

The challenge

- No clear visibility of what was available in stock, so nobody could say with confidence what needed ordering.
- Components issued to a department for an assembly were not all consumed, and the return of the excess was hard to track.
- The value of inventory held, across locations and departments, was not visible.
- Stock moved between geographical locations without a controlled way to send, track and accept it.



Illustration: location-wise inventory, transfers and department holdings on the Stock2Track dashboard. It is not a photograph of the customer.

What CatchUs built

CatchUs customised Stock2Track around how components flow: from the indent, to the vendor, to the department bench, and back.

01

Consolidated indents to POs

Indents from all departments are consolidated; purchase orders to vendors are raised from that list.

02

BOMs and serial-number labels

A BOM for each component built from smaller parts. Every item has its own serial number, so issuing is a 2D scan.

03

Excess by department

What was issued, what was consumed and which excess part is lying with which department.

04

Transfers, gate passes, access

Stock moves between locations on gate passes mapped to orders, accepted on arrival. Access follows the org structure.

How a component travels now

STEP 1

Indent

Departments indent; the list is consolidated.

STEP 2

Buy and label

POs to vendors; arrivals get serial labels.

STEP 3

Issue

Scanned out to a department against its BOM.

STEP 4

Return or move

Excess returns to store; sites transfer on gate passes.

What changed

- The inventory manager sees what is available, where, and what to order.
- Excess components come back from departments and are accounted for.
- Inventory value by location and department, on a dashboard for the manager and CEO.
- Transfers controlled with gate passes and acceptance; users see only what their role allows.

Do your most valuable items also happen to be the smallest?

CatchUs has its own engineering team. We build Stock2Track around your indents, your BOMs, your departments and your locations, and give the people who run the company a clear view of it all.

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