UNIT PULSE

Automated, traceable inventory management for subcontractor businesses

PROJECT OVERVIEW

What is Unit Pulse?

A product built for subcontractor businesses to manage their inventory records — automated, traceable, and without data loss.

THE PROBLEM

All inventory information — Purchase Orders (PO), Receiving Documents (RDC), and Delivery Challans (DC) — was recorded on paper, using manual copies and documents.

Data Loss

Paper records misplaced or damaged

Quantity Confusion

No reliable way to track stock accurately

Delayed Shipments

Client deliveries stuck or held up

Process Confusion

Managers unclear on business workflow

How It Works

From Purchase Order to items received

1 Purchase Order (PO)

Contains agreed services, allowed quantities, and prices — sent as a PDF to the business email.

The app automatically captures and stores this data, avoiding manual entry and human error.

2 RDC (Received Items)

Items arrive by vehicle with a PDF listing quantities, per-item value, and other details.

Once uploaded, the business maps each item to the PO service that will be performed on it.

PO = agreed services & pricing *RDC = items physically received & mapped to PO services*

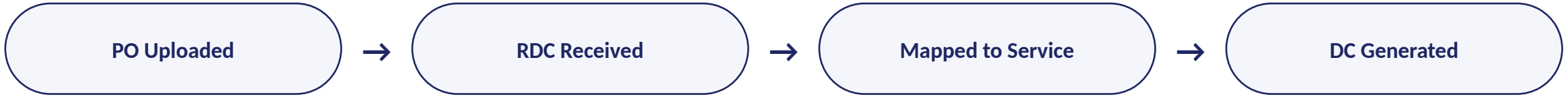
How It Works

From service completion to shipment

3 Delivery Challan (DC)

Once services are completed for the RDC items received that day, a Delivery Challan is generated. It records how much of each item was processed, and under which PO service — with automatic unit conversion between the RDC item's unit and the service's unit where needed.

The app generates a print-ready document — printed and sent with the shipment.



The Result

Improved inventory tracking and analysis. The client now receives a system-generated Delivery Challan instead of a handwritten one.

✓ No More Data Loss

All PO, RDC, and DC records captured and stored digitally

✓ Accurate Quantity Tracking

Automatic unit conversion removes manual tracking errors

✓ Faster Shipments

Clear process flow removes delays and bottlenecks

✓ Clear Process Flow

Managers have full visibility across the business workflow

Infrastructure

Built for reliability and security

Dedicated VPS

Isolated hosting environment, dedicated to this application

Dedicated Database

Separate, dedicated data storage for reliability

Daily Backups

Full server backup daily, for worst-case recovery scenarios

Dedicated Subdomain

For added security and streamlined support