

Yunni AI — Sample Deliverable

Sample / redacted — not a real client project

This document is a fictional example showing the structure and level of detail of a typical PLC/HMI program rescue deliverable. All numbers, names and diagrams are invented for illustration only.

Example controller: Siemens S7-1200 (CPU 1214C AC/DC/Rly)

Digital I/O points: 54

Analogue channels: 12

Program documentation pages: 34

HMI screens: 6

Recipe data sets: 2

1. Program file inventory

File name	Size	Checksum (SHA-256, first 16)
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S7-1200_Example_2026_v1.s7p	1.2 MB	a3f7...e2d1
HMI_Example_2026_v1.hmi	0.8 MB	b8c2...4f11
I/O_Table_v1.xlsx	24 KB	d4e5...9a22
Alarm_List_v1.pdf	120 KB	f6g7...h3j4
Recipe_Data_v1.csv	8 KB	k8l9...m0n1

All files were exported directly from the controller and verified against the running installation before archiving.

2. I/O and tag table (excerpt)

Address	Type	Signal description

%I0.0	DI	Conveyor start pushbutton
%I0.1	DI	Conveyor stop pushbutton
%I0.2	DI	Emergency stop (NC)
%I0.3	DI	Product detection sensor
%Q0.0	DO	Conveyor motor contactor
%Q0.1	DO	Indicator light — running
%Q0.2	DO	Indicator light — fault
%IW64	AI	Tank level (4–20 mA)
%IW66	AI	Pressure sensor (4–20 mA)
%QW80	AO	Valve control (0–10 V)

Full table: 54 digital points and 12 analogue channels documented
with signal descriptions, ranges and cross-references to electrical drawings.

3. Program structure overview

Organization Blocks (OBs):

- OB1 Main cycle
- OB100 Startup initialization

Function Blocks (FBs):

- FB1 Conveyor sequence control
- FB2 Filling logic
- FB3 Alarm handling

Data Blocks (DBs):

- DB1 Process parameters
- DB2 Alarm history
- DB3 Recipe storage

Total: 34 pages of program documentation including block descriptions, variable comments and version notes.

4. Backup verification and hand-over checklist

Verification date: 2026-10-20

Verification method: Checksum comparison + restore test in VM

Result: PASS — restored program matches original checksum

Delivered items:

[x] Program files (source + compiled)

[x] I/O and tag tables

[x] Program structure document

[x] Alarm and recipe summaries

[x] Backup verification record

[x] Hand-over checklist

Storage: Off-site dual backup (two independent cloud locations)

Access control: Owner-only; returned or deleted on owner instruction