

Project Plan: Automated Landfill Management System

Client: SOLVO GmbH

Project: Landfill Data Extraction & Construction Site Management

Date: December 2025

Project Manager: David Schneeberger

1. Project Objective

Development of a cloud-based system for automatic extraction of landfill data from PDF receipts.

2. Milestones & Timeline

Milestone 1: Core Functionality (Weeks 2-3/2025)

Features:

- PDF upload (single & batch)
- Automatic data extraction from landfill receipts:
 - Construction company (typically listed as customer/deliverer/sender)
 - Construction site specification (number and/or name)
 - Key number
 - Material/waste type
 - Landfill company + landfill location (if necessary)
 - Mass/quantity
 - Date of delivery
 - Hazardous vs. normal waste
- Warning system for unrecognized pages/data
- Manual entry of unrecognized data
- Manual correction capability for extraction results

- Export functions:
 - Excel
 - PDF
- User can manually correct data

Acceptance Criteria:

- Successful extraction of at least 90% of test PDFs
- Correct assignment to construction sites (automatic or manual)
- Functioning Excel exports
- User can manually correct data

Deadline: Acceptance by January 15, 2025 is targeted

Milestone 2: Cloud Deployment & Multi-User (Weeks 3-4/2025)

Features:

- Deployment
- User Management System:
 - Login & authentication
 - User roles (Admin, Standard User)
 - 3-5 parallel users
- Data separation per user:
 - Each user sees only their own construction sites & data
- Delete function with backup:
 - Soft-delete (data remains in system for 7 years)
 - Backup access only for Admin

Acceptance Criteria:

- Stable cloud availability (99% uptime)

- Successful multi-user test
- Data separation functions correctly
- Backup system tested

Deadline: Go-live by January 31, 2025 is targeted

Milestone 3: Hours Assignment (Q1/2025, timing after M2)

Features:

- Excel import for construction site hours
- Assignment: Hours per construction site per employee per month
- Integration into existing reporting structure

Acceptance Criteria:

- Successful import from existing Excel format
- Correct assignment to construction sites

Deadline: By agreement

Milestone 4: Invoice Assignment (Q1-Q2/2025)

Features:

- Upload of invoice PDFs (suppliers, subcontractors)
- Automatic construction site assignment:
 - Recognition of construction site number in text
 - Alternative: Manual pre-selection before upload
- Drag & drop interface
- Invoice overview per construction site

Acceptance Criteria:

- Automatic assignment works with standard invoices
- Manual assignment as fallback
- Clear presentation

Deadline: By agreement