AIPCS Phase 2 Super Integration Document

# 1. Overview

This document consolidates all design, mockups, and backend implementation plans for Phase 2 features of the Armpass Integrated Project Control System (AIPCS). It includes:  
- Site Photo Gallery with Geo-tagging  
- Interactive Project Map  
- Daily Site Diary Module  
- Procurement & Inventory Integration

# 2. Feature: Site Photo Gallery with Geo-tagging

Design, API, DB schema and logic for uploading site photos with GPS metadata.

Refer to attached doc: AIPCS\_Feature2\_Photo\_Gallery\_Design.docx

Backend doc: AIPCS\_Feature2\_Backend\_Implementation.docx

# 3. Feature: Interactive Project Map

GIS-based visualization of all projects on a national map.

Design doc: AIPCS\_Feature3\_Project\_Map\_Design.docx

# 4. Feature: Daily Site Diary Module

Mobile-first form for logging weather, labor, work done, and photos.

Design doc: AIPCS\_Feature4\_Daily\_Site\_Diary\_Design.docx

# 5. Feature: Procurement & Inventory Integration

Track material requests, delivery, and usage tied to BOQs.

Design doc: AIPCS\_Feature7\_Procurement\_Inventory\_Design.docx

Backend doc: AIPCS\_Feature7\_Backend\_Implementation.docx