

# CT-COSL

Coiled Tubing Management System - Admin Dashboard for Oil & Gas Operations

## PROJECT OVERVIEW

**CT-COSL (Cosl Coiled Tubing Management System)** adalah admin dashboard berbasis web profesional yang dibangun dengan Laravel 12 dan Vue.js 3, dirancang khusus untuk mengelola operasi coiled tubing di industri oil & gas. Aplikasi ini menyediakan tools komprehensif untuk inventory management, job tracking, dokumentasi teknis, reporting, dan user administration. Project ini melayani operasi **COSL (China Oilfield Services Limited)**, menawarkan platform terintegrasi untuk mengelola konfigurasi toolstring, wellstack assemblies, thread specifications, dan dokumentasi operasional.

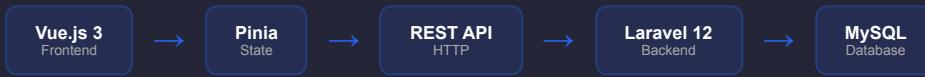
## KEY FEATURES

 <b>User Authentication</b> Laravel Auth dengan role & permission	 <b>Inventory Management</b> Toolstring, Wellstack & Thread
 <b>Job Tracker</b> Tracking job & customer operations	 <b>PDF Reporting</b> Export laporan profesional

## TECH STACK

Laravel 12 Backend	Vue.js 3 Frontend	PHP 8.2 Language
MySQL Database	Tailwind Styling	Pinia State
Vite Build Tool	Sanctum Auth	Vue Router Routing

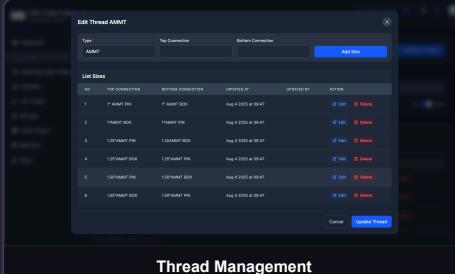
## SYSTEM ARCHITECTURE



## SCREENSHOTS



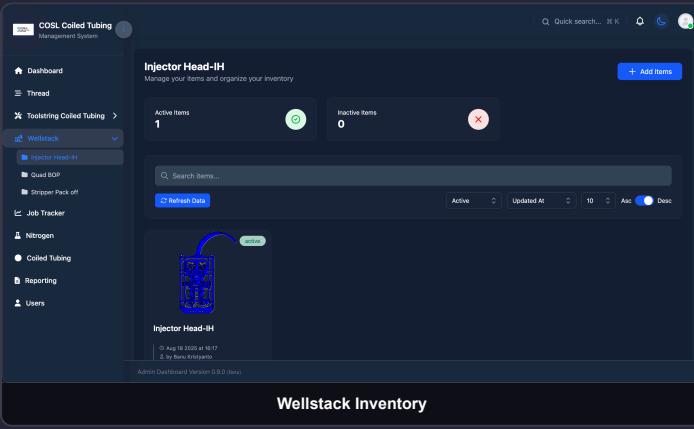
Dashboard Home



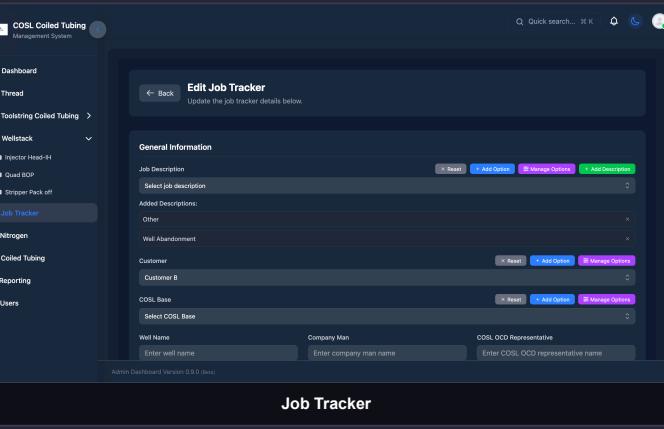
Thread Management



Reporting



Wellstack Inventory



Job Tracker