

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

**User Authentication**

Laravel Auth dengan role & permission

**Inventory Management**

Toolstring, Wellstack & Thread

**Job Tracker**

Tracking job & customer operations

**PDF Reporting**

Export laporan profesional

TECH STACK

Laravel 12

Backend

Vue.js 3

Frontend

PHP 8.2

Language

MySQL

Database

Tailwind

Styling

Pinia

State

Vue Router

Routing

Vite

Build Tool

Sanctum

Auth

SYSTEM ARCHITECTURE

Vue.js 3

Frontend



Pinia

State



REST API

HTTP



Laravel 12

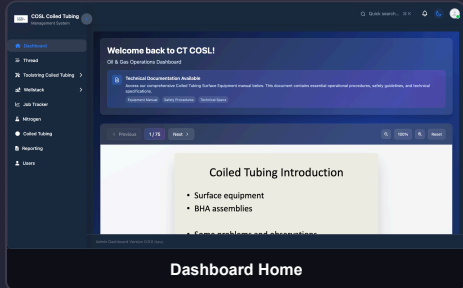
Backend



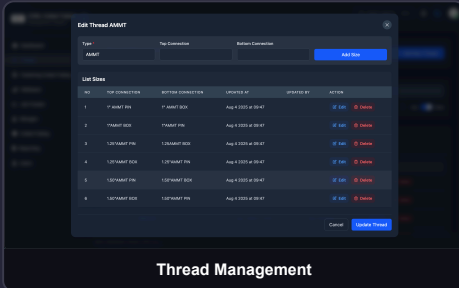
MySQL

Database

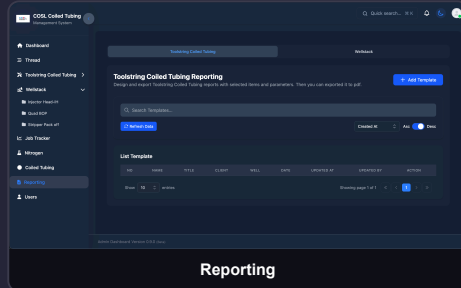
SCREENSHOTS



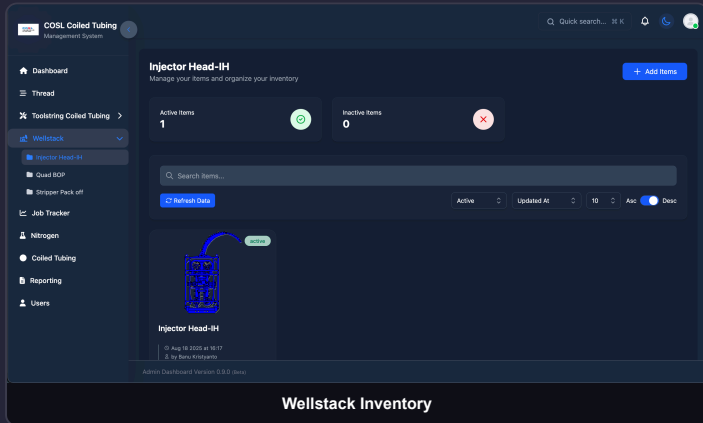
Dashboard Home



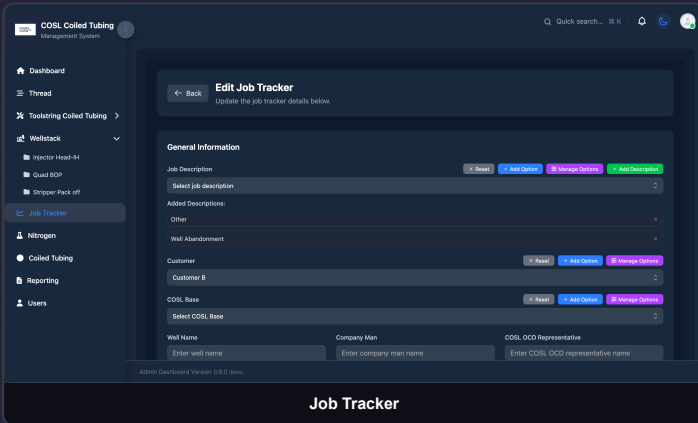
Thread Management



Reporting



Wellstack Inventory



Job Tracker