



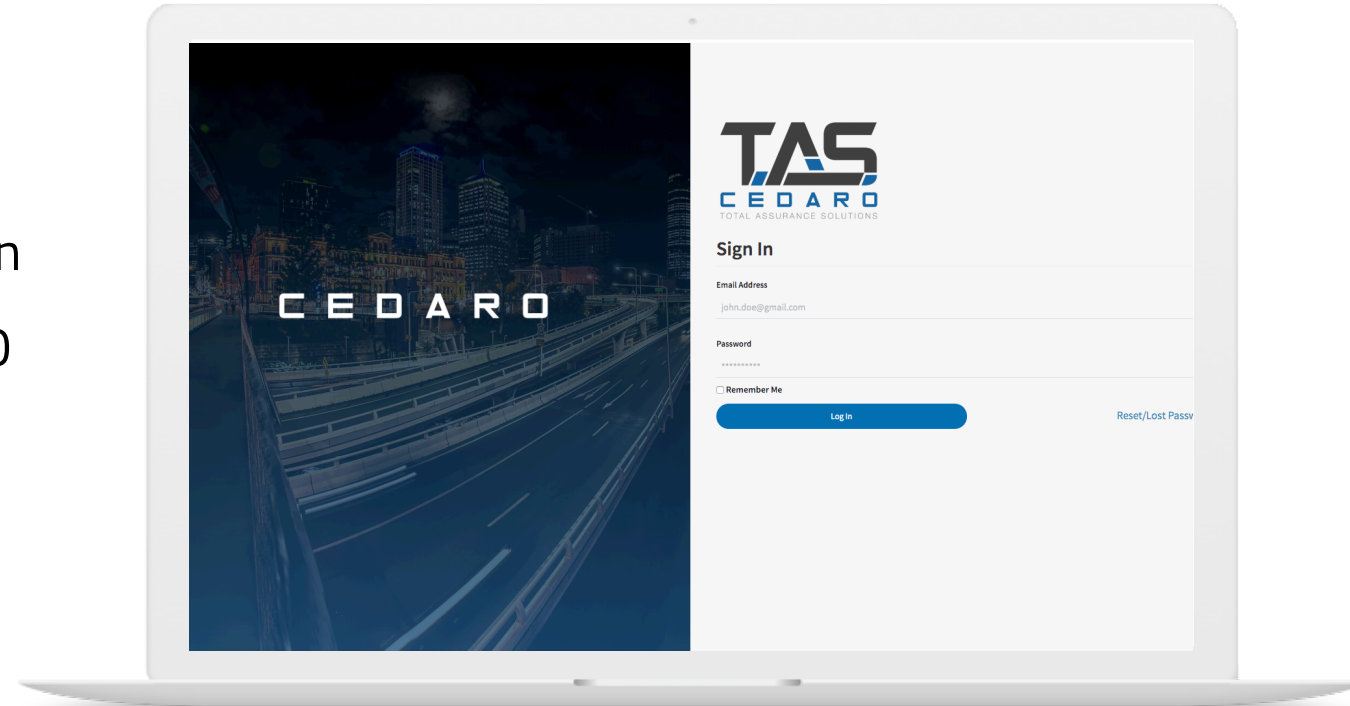
Operational Assurance

CEDARO – Operational Assurance



Overview

CEDARO is a collaboration platform which allows users to gather, manage and report on data via a mobile and web interface. CEDARO allows teams to transform this data into meaningful information for a wide range of stakeholders



Clients Challenges

- Inconsistent auditing methodology across business units.
- Irregular reporting on audit/verification outcomes across units, locations and activities.
- Working in remote areas with poor or irregular access to cellular network.
- Team members using paper based systems subject to inconsistent use and data loss.



System Solution

- Create and complete audit/verification on web or mobile interface (inc. mobile offline capability).
- Access audit/verification reports as well as dashboards for up to date compliance statistics.
- Remove paper forms and store/access all data in secured servers, set up to be accessible to authorized personnel only.



CEDARO - Functionality



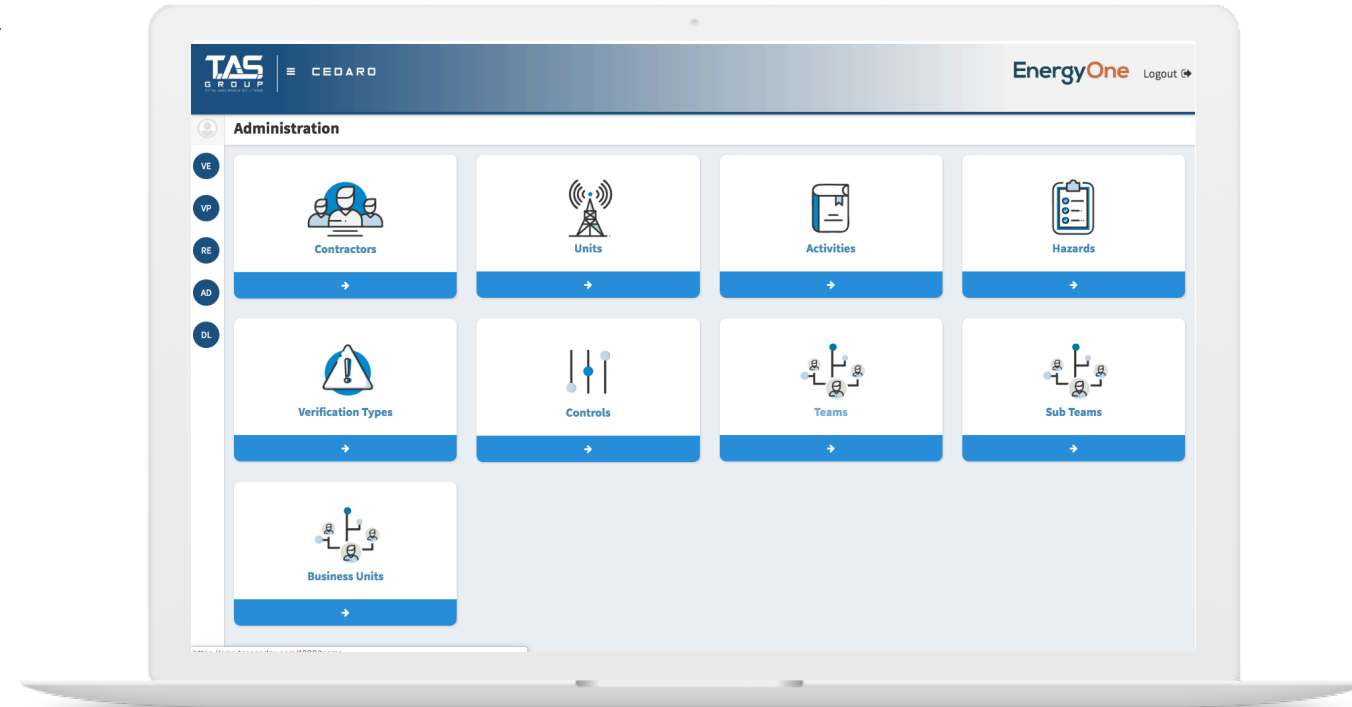
CEDARO key functionality includes:

- **Data Management** - through the use of mobile application and web interface
- **Audit/Verification Tool** – allowing users to create and undertake audit/verification activities
- **Audit/Verification Program and Scheduling** – schedule audits/verifications with specified scope, timeframes and assigned auditors.
- **Reporting with Dashboard Interface** – detailed analysis of data inputs and compliance tracking.

Web Based Functionality – Data Management

CEDARO Super Users have the ability to add, edit and manage data in CEDARO relating to audit/verification activities.

CEDARO's data management interface is designed to offer maximum flexibility and allows the Super Users to control what the General User sees in the web and mobile interfaces.



Web Based Functionality – Verification/Audit Program

CEDARO Administrator Users have the ability to create, edit and close audit/verification programs.

Programs can be created with specific audit/verification scope to be verified, allocated timeframes in which the audit/verification needs to be conducted and assign internal resources to perform the activity.

The screenshot displays the 'Validation of Controls Program' interface in the TAS CEDARO web application. The top navigation bar includes the TAS CEDARO logo and the EnergyOne logo with a 'Logout' link. The main content area is titled 'Validation of Controls Program' and features a 'View Program # 22' section with a sidebar of navigation icons (VE, VP, RE, AD, DL). The 'View Program # 22' section contains a form with the following fields:

- ID: 22
- Name: Rig 1 Program
- Contractor: Awesome Rig Services
- Unit: Drilling Rig 1
- Verification Type: Verification
- Activity: Drilling
- Team: Drilling and Completion_Drilling_QLD
- Start Date: 01/01/2019
- End Date: 12/31/2019

On the right side of the form, there is a summary section with the following information:

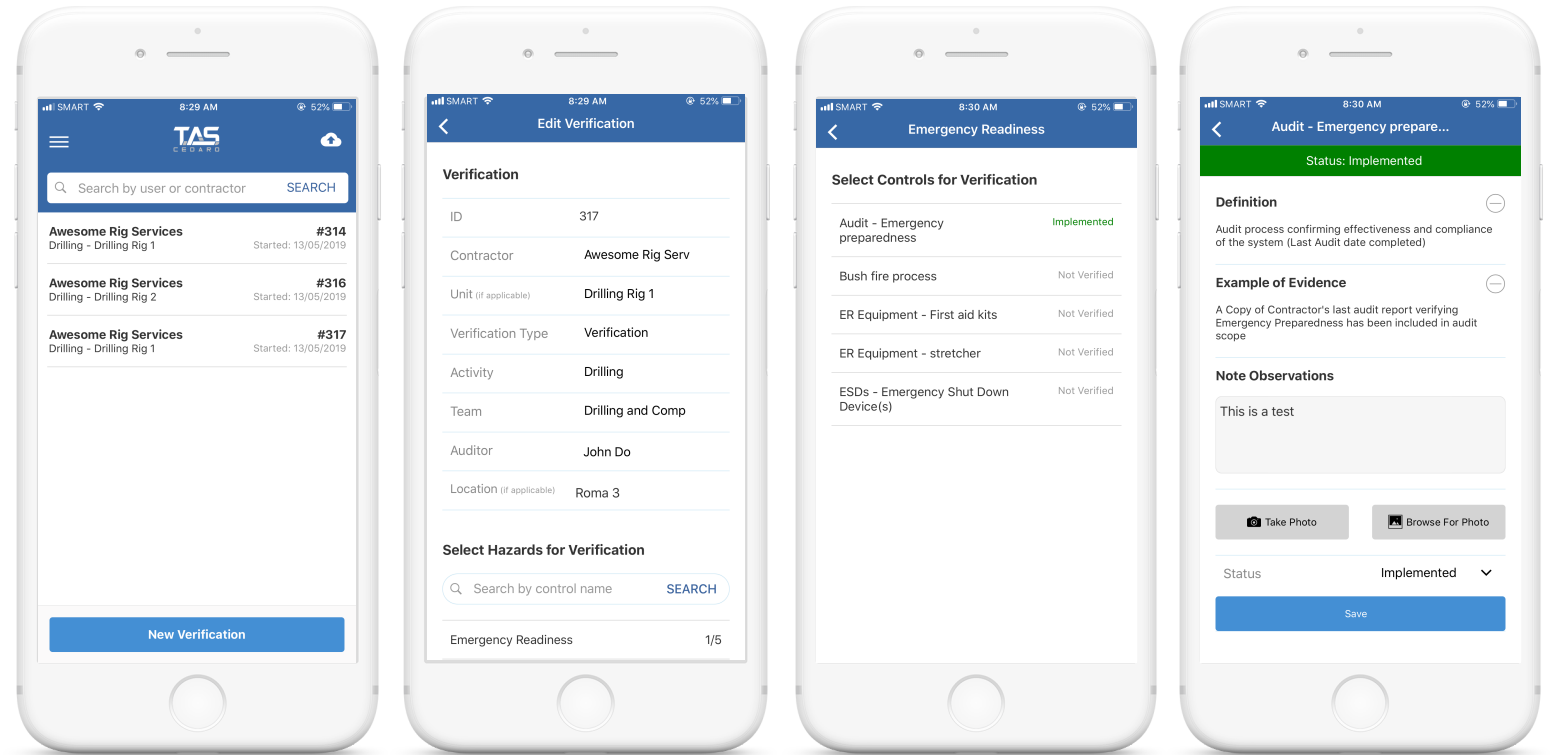
- Creator: John Do
- Created At: 2019-05-13 09:34:44
- Updated At: 2019-05-13 09:34:44
- Total Controls: 12
- Verified Controls Count: 4
- % of Completion: 33.33%

Below the form, there is a 'Hazards and Controls' section with a table of controls. The table has columns for Hazard, Control, Schedule Date, Verification ID, Auditor, Control Status, Closed At, and Actions. The first row shows a hazard of 'Emergency Readiness' with a control of 'Audit - Emergency preparedness', a schedule date of '05/13/2019', a verification ID of '315', an auditor of 'John Do', a control status of 'Implemented', and a closed date of '2019-05-13 09:38:22'.

Smart App Platform

Mobile App Functionality

- Mobile App (iOS, Android) allows audits/verifications to be created, reviewed and approved by all user levels.
- Operable without internet connection – audits/verifications are held within the system and uploaded when in reception.
- Allows photos to be attached as supporting evidence of the verification/auditing process.



Web Based Functionality – Audit/Verifications

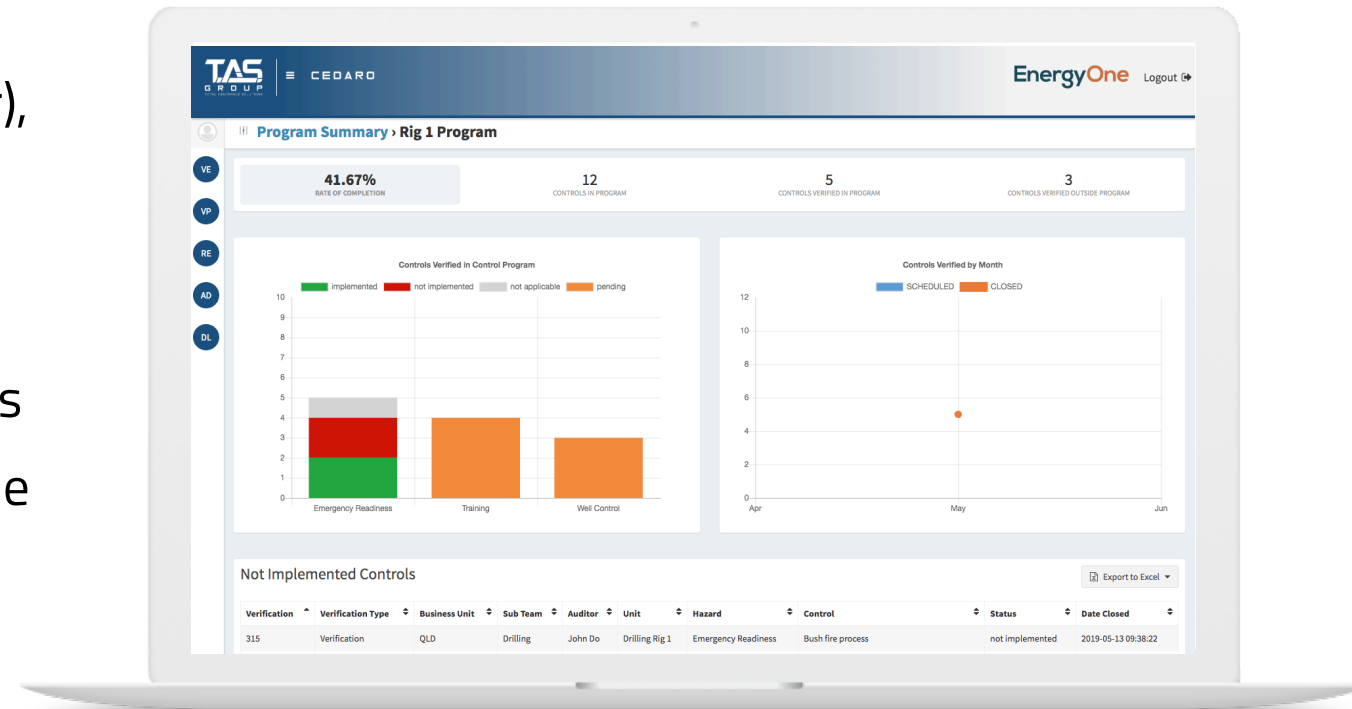
- Audits/verifications can be created
 - as part of a scheduled program and linked to track programs' completion rate
 - as stand alone task to record unexpected findings.
- Users can record photographic evidence, observations and status against each control.
- Audits/verifications are visible to all relevant users

The screenshot displays the 'Verifications' section of the TAS CEDARO EnergyOne web application. The interface includes a sidebar with navigation icons (VE, VP, RE, AD, DL) and a main content area. The main area shows 'View Verification # 315' with a 'Finish Verification' button and options to 'Save', 'Download', or 'Print'. The verification details are organized into two columns: 'ID' (315), 'Contractor' (Awesome Rig Services), 'Unit' (Drilling Rig 2), 'Verification Type' (Verification), 'Activity' (Drilling), 'Team' (Drilling and Completion, Drilling, QLD), 'Auditor' (John Do), and 'Location' (Roma 2) on the left; and 'Created By' (John Do), 'Created At' (2019-05-13 09:52:15), 'Last Updated By' (John Do), 'Updated At' (2019-05-13 09:52:15), 'Number of controls' (12), 'In Progress' (0), 'On Site' (0), 'Implemented' (0), and 'Not implemented' (0) on the right. Below this, there is a search bar for 'control/hazard name...' and a table for 'Hazard: Emergency Readiness'. The table has columns for 'Control', 'Status', 'Observation', 'Photos', 'Auditor', and 'Visible'. One row is visible with 'Control' 'Audit - Emergency preparedness', 'Status' 'Not Verified', 'Auditor' 'John Do', and 'Visible' checked. An 'Add Photo' button is present next to the observation field.

| Control | Status | Observation | Photos | Auditor | Visible |
|--------------------------------|--------------|-------------|---------------------------|---------|-------------------------------------|
| Audit - Emergency preparedness | Not Verified | | Add Photo | John Do | <input checked="" type="checkbox"/> |

Web Based Functionality – Reporting

- Dashboards provide users, based on role (general users, leaders, data administrator), the ability to track compliance against business or regulatory requirements.
- Audit/verification reports contain elements verified, observations, status of compliance and evidence shown during the verification/audit process.
- Reports are maintained on the CEDARO system and can be emailed to users.



CEDARO – Futures Stages

Live

In Development

