

# Essential Oilfield Calculations

## Project 1 Proposal by Team Tomagocha

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### ABSTRACT

Essential Oilfield Calculations (EOC) will be a web-based app, optimized for mobile use, to assist oilfield personnel with necessary calculations in the field. Its goal is simplicity in use, accuracy in calculations and professional in appearance so oilfield personnel can use it with confidence.

### APIs TO BE USED

Google Sheets API (<https://developers.google.com/sheets/>)

- We'll access the formulas in the sheet to do the calculations

LinkedIn/Facebook/Google API

- Login capabilities

Getty Images (<http://developers.gettyimages.com/en/>)

- Display a different image of an oil rig each time a user enters the site (or refreshes)

### TASK BREAKDOWN

UI Design & Front-end development, including

- Optimization for mobile
- Getty Images API integration
- Professional layout

Input validation

- Values inputted are within reasonable range
- Inputs are expected values
- Fractional inputs are okay

Data persistence

- Most recent calculations saved
- User login with LinkedIn/Facebook API

Logic and pseudo-coding

- Arithmetic functions
- Google Sheets API integration

QA/QC

- Calculations
- Coding
- Project requirements

Presentation

- Script and deck creation
- Division of presentation