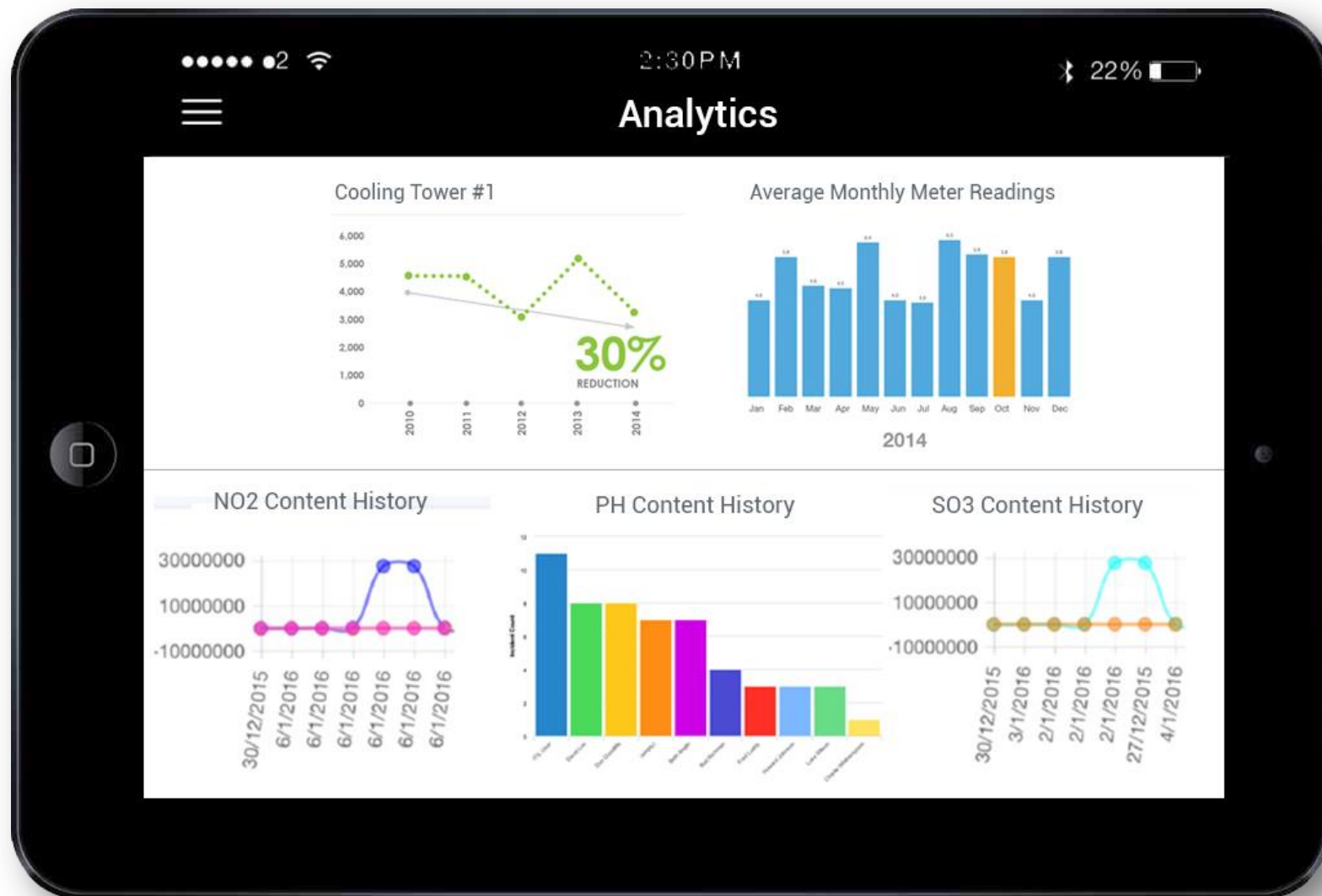


Case study - Water quality review platform

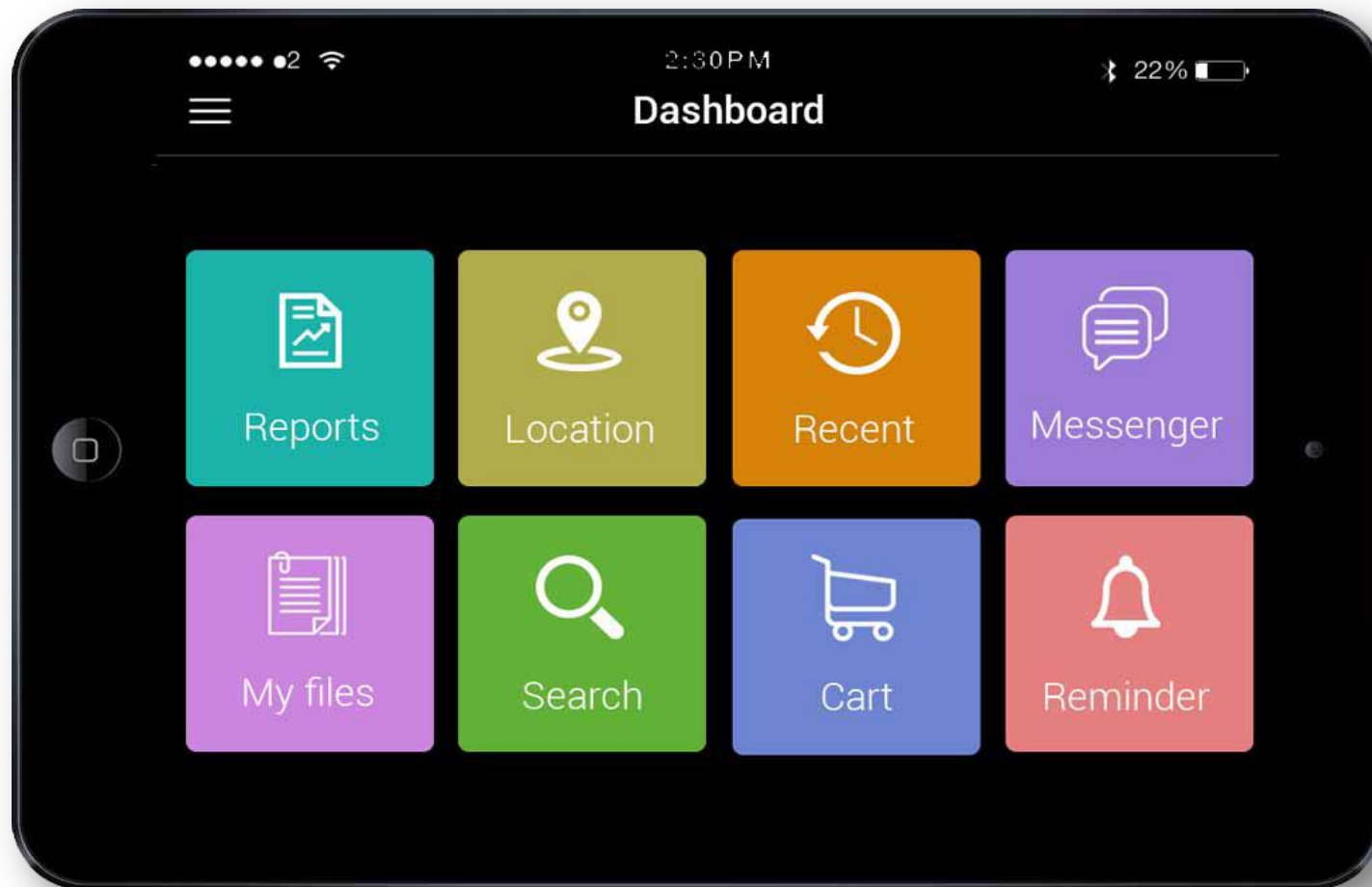


“Its awesome, really. I can’t say enough about how well it’s tailored to our needs. Our team has been using other subscription based products with varying degree of satisfaction, but this beats the heck out of those. Thanks for a good tool.”

- Justin Douglass

BizSolutions
Providing Innovative Solutions

Water quality review platform



Overview

This client is a leader in experiment kit manufacturing as well as a distributor of thousands of experimenting products and supplies.

Client wanted to develop the native app so that any user can be use the app to get the water specimens readings through different devices such as Microplate Reader, Water Quality Test Meter, Temperature Meter, etc. The concept of web console is introduced for this app to monitor the activities and new assignments to specimen experts through it. Management can monitor on all the activities of specimen experts. The reports are generated through the app to track daily activity of specimen experts.

Issue/Problem

The application overcomes the issue of tracking experiments and ability to monitor specimen experts and their activities through console. This type of monitoring and easy access for take readings at locations was not available through mobile app.

Challenge

- Provide offline reading functionality
- Map option to through console as well as mobile app to know the current, future and past status of the experiments
- Automatic report generation from backend for daily activity tracking

Water quality review platform

Solution

Biz4Solutions has developed an app that can take the readings of water specimens and store in the history though the user is with or without network. The app gives simple way to track the status of experiments. The app provides information on Electrical Conductivity (EC), Total Dissolved Solids (TDS) within a tested water. The push notification functionality is implemented for the app user to know the details of experiment which is already scheduled. The location, specimen, experiments are maintained to use again and again. Only authorized users can access the app so that random misuse of the app can be avoided. User specific data helps the manager to keep eye on the individuals' performance. Console part manages the users and managers with CRUD operations.

Benefits

- Available in both Apple Store and Google Play
- Easy way to catch the readings through Microplate reader, Water Quality Test Meter, Temperature Meter, etc. devices and store them without worrying about network availability
- Map shows different colored pins to help getting schedules at particular location
- Reminder gives alert one hour before so that schedule should not be missed
- User specific experiment parameters makes the experimenting easy and fast

Technologies

- Web-sockets for real-time communications
- MapKIT
- FSC Calendar
- AF Networking
- AWSS3
- Google Maps API
- Native android API
- Push Notifications

