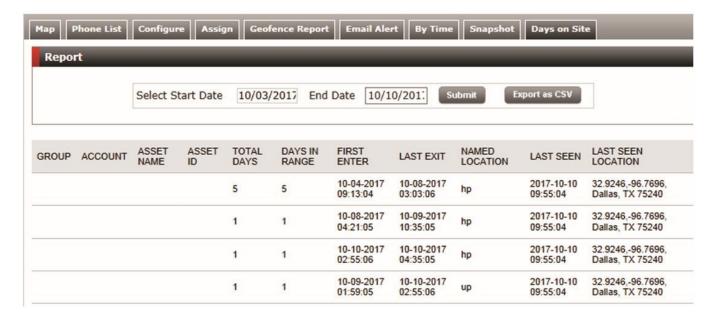


Days on Site

- How long each asset has been within each Geofence is shown.
- Export as CSV will export an 'Excel' style spreadsheet of days on site.



Geofence Report

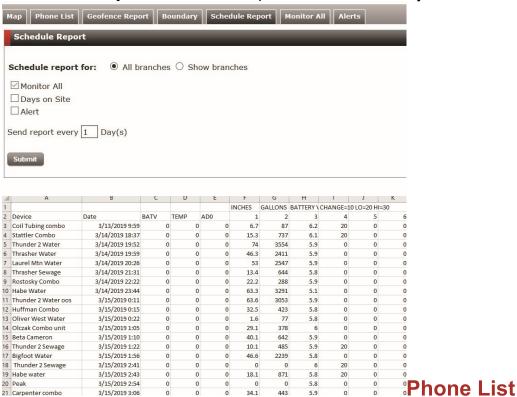
A record of when an asset went into or out of a Geofence is made. Select any date of interest and all of your assets will be shown.



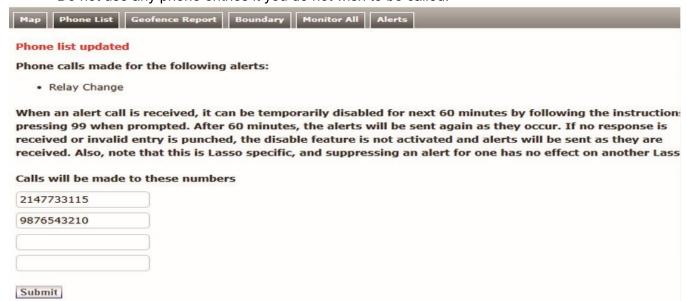


Schedule Report

Schedule when you would like for reports to be emailed to you.



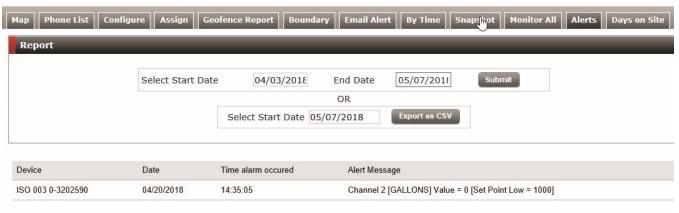
- This is the phone call list that will be used in an alert condition.
- Press 99 to acknowledge that you received the message or the next person on the list will be
- Do not use any phone entries it you do not wish to be called.





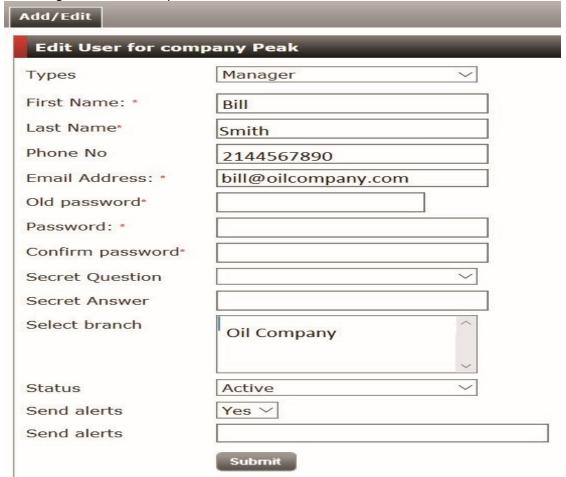
Alerts

An alert record is made when a channel is >MAX or <MIN



Assign

Assign which users can see this Radar. Complex hierarchies of users, dispatchers, and managers can be configured when multiple assets are to be monitored. Consult Lasso for more detail.





API Calls

GET - LASSO

This is used to get detailed information about a specific Radar. This is typically used along with 'List – Lasso' API to create master-detail view. The amount of detail returned can be controlled by specifying parameters to limit the number of data points as well as relevant timeframe. Note that the API retrieves only the sensor values which have been marked as 'display=true' through the Web interface.

Data returned in the XML file matches the rows and descriptions you used in the configuration page. Normally, the call is made from your server.

LIST - LASSO

This is used to get list of all Lassos allocated to the default branch of a company.

```
<?xml version="1.0" encoding="UTF-8"?>
<response>
 - <lasso>
       <id>lso-rlu-ncr-qgh</id>
          <![CDATA[DANA 0-2371710]]>
       </name>
     <details>
           <![CDATA[DANA]]>
       </details>
       <latitude>32.9253</latitude>
       <longitude>-96.7669</longitude>
       <time>2017-03-20 22:23:05</time>
       <local_time>2017-03-20 17:23:05</local_time>
     - <data>
        - <item time="2017-03-20 22:23:17" id="8a7ef302cc1eb2a9629aeaab12ceb97a">
              <local_time>2017-03-20 17:23:17</local_time>
              <sensor asset="0" description="DEPTH IN" name="channel1">39.3</sensor>
              <sensor asset="0" description="GALLONS" name="channel2">2348</sensor>
              <sensor asset="0" description="BAT VOLT" name="channel3">3.5</sensor>
              <sensor asset="0" description="PING" name="channel4">10.8861</sensor>
          </item>
         - <item time="2017-03-20 21:45:10" id="0f15291b824699794c9598b71ebe5fa4">
              <local time>2017-03-20 16:45:10</local time>
              <sensor asset="0" description="DEPTH IN" name="channel1">18.4</sensor>
              <sensor asset="0" description="GALLONS" name="channel2">493</sensor>
              <sensor asset="0" description="BAT VOLT" name="channel3">3.8</sensor>
              <sensor asset="0" description="PING" name="channel4">31.7544</sensor>
          <item time="2017-03-20 21:39:49" id="c5eea90285195e5c93c8dad84fb4f070">
              <local time>2017-03-20 16:39:49</local time>
              <sensor asset="0" description="DEPTH IN" name="channel1">18.3</sensor>
              <sensor asset="0" description="GALLONS" name="channel2">493</sensor>
<sensor asset="0" description="BAT VOLT" name="channel3">3.8</sensor>
              <sensor asset="0" description="PING" name="channel4">31.833</sensor>
           </item>
```



TROUBLESHOOTING

Important Initial tests.

- Most problems can be traced to low battery voltage.
- Check battery voltage on display. Replace if less than 5.5 V
- Make sure that box has clear access to sky. No metal covering, railing, or grates.

No messages on web site being received

- Messages are only sent every few hours. Data should be sent shortly after you plug in batteries for the first time so make sure you have clear access to the sky.
- Make certain that the unit has a clear access to the sky and that the satellite signal is not blocked by metal. Messages may not be received at all if the signal is blocked.

No Tank level Readings

- Confirm that Radar is detected on display. Move to another location of no Radar.
- Check for proper configuration on keypad of distance to bottom of tank.

No GPS reports on web

- Confirm that GPS report time is set to 6 hours by using keypad
- Allow tank to sit in yard for a day to send data with clear access to the sky.

No data reports on web

- Confirm that Data report time is set to 5 hours by using keypad.
- Allow tank to sit in yard for a day to send data with clear access to the sky.

All columns not shown on web

Use configure page to check boxes so that all desired channels are shown

Emails and text messages are not being received

- Make certain that your email and text addresses are entered on the Configure tab.
- INFO or ALERT check boxes must be set on the Configure page.

Gallons reading not accurate

- Distance from sensor face to fluid is not correct.
- Adjust the distance to bottom of tank using keypad until gallons reading is accurate.



FCC ID: 2ASFCRADAR

LASSO TECHNOLOGIES, LLC LASSO.COM Model: 70300R



Complies with Part 15 of the FCC Rules.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation

You are cautioned that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.