Dashboard functionality control:

Major changes

* Admin Control
  + Generation of new CUSTOM dashboard
    - DASHBOARD INFO
      * Definition of the dashboard name
      * Assignment of user access
        + The customer will provide an email.
        + DBS has ability to control/reset/assign user passwords
        + DBS can select one or multiple dashboards to be visualized by user
      * Assigment of email for alerts.
        + Multiple users and admin will receive an email in case the dashboard posts an alert
      * Setup of installation info
        + This is only done at the beginning. Data will not change in time.

Some customers will have all the data, others will have all. Some will have different data based on product design.

HOW IS THIS SECTION CONTROLLED?

Can Info be added/removed based on product?

* + - * Control and upload the manual document that is entered (PDF file)
        + Customer is able to access (online view) the file by pressing the “manual” button on the dashboard.
        + At that time customer has the option to download the manual if necessary
    - LIGHTS
      * Definition of the lights that are presented on the dashboard.
        + Some customers only get 2 lights, some get all of them.
    - LEVEL BARS
      * Definition of the level bars that are presented on the dashboard
        + Some customers might not get any
        + Selection of units (based on measurements)
        + Selection of min & max value
    - GAUGE
      * Set up of gauge range
      * Set up of color transition points (if DBS design cannot be implemented)
      * Set up of units
    - GRAPHS
      * Multiple graphs can be added by the customer to be visualized on the screen (each for a different channel)
      * Selection of signal presented on dashboard.
      * Selection of units to be presented on y axis
    - MAINTENANCE RECORD
      * Ability to control the maintenance section and setup conditions/range for automatic update
* General operation:
  + ALERTS
    - Based on data received from board or data “processed”/”interpreted” by dashboard
      * Last 20 events (or up to 6 months) are recorded and presented in the alert section.
      * If an alert is triggered an email is immediately sent to the associated emails for that particular dashboard
      * Customer has the ability of un-subscribing/re-subscribe to email alerts
    - If an alert is generated an email is sent out to users & admin (bcc – email to be provided) informing on the alert.
      * Standard messages can be created associated with each type of alert
  + REPORT  
    The report is a collection of important hystorical data. This is automatically updated based on data from the board/dashboard and from the user.   
    - * Report should be in PDF file.  
        Document page layout will be provided.
      * Select time window of interest (calendar look) – from/to
      * Always included information in report:
        + Date of the report
        + “downloader” information
      * Customer or admin should be able to select (checklist) information that needs to be displayed on the report among:
        + Installation Information (copied from dashboard)
        + Maintenance history
        + Alerts
        + device statistics diagrams
        + all included markers should carry over
  + MAINTENANCE RECORD
    - Reminders for service
      * Email is sent out to remind that service is due
    - Next schedule service shall be automatically be selected to be the earliest of all services that are coming out. This shall update with changes in the service dates
    - Once a customer updates the schedule, the next service should be calculated automatically. I can provide the timelines for each service (or better we should be able to set up the time intervals)
* User Control  
  While for the most part the user has no ability to control the dashboard. The user will be providing important information to keep the dashboard up to date.
  + MAINTENANCE RECORD
    - Customer will be able to submit updates to the admin about maintenance updates that are performed on the machine.
      * Customer could request make a change to the maintenance through a form. Upon review of admin and approval the change is added to dashboard.
        + Alerts to include: Service record update – “type of service”
        + Email to customer to confirm that the dashboard has been updated.
  + SERVICE CALL/TROUBLESHOOTING CALL (for future)
    - Customer can request a troubleshooting call to DBS.
      * Email is sent to DBS manufacturing engineering ([engineer@dbsmfg.com](mailto:engineer@dbsmfg.com)).
        + Report is immediately attached to the email
        + Customer can provide 500 characters to note the general issues.