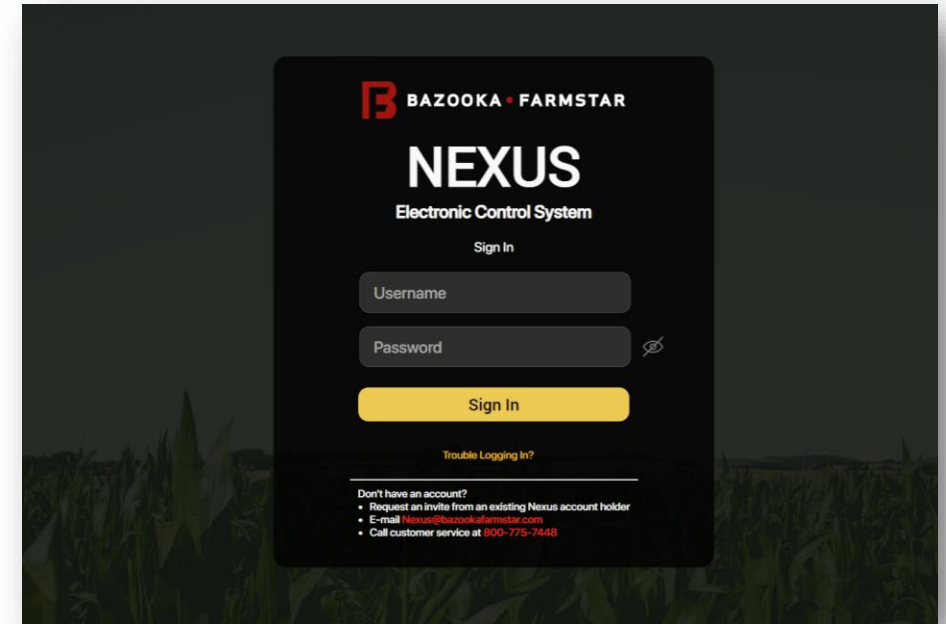




ECS/NEXUS.COM  
UPGRADE

# What is the ECS/Nexus.com Upgrade?

- New website:  
<https://www.farmstar-ecs.com>
- New user accounts
- Firmware updates
  - On the ECS/Nexus panel BVR device
  - And PowerVision display
- Prefer new panels to be .COM
- Launching first through dealers, Spring release to everyone



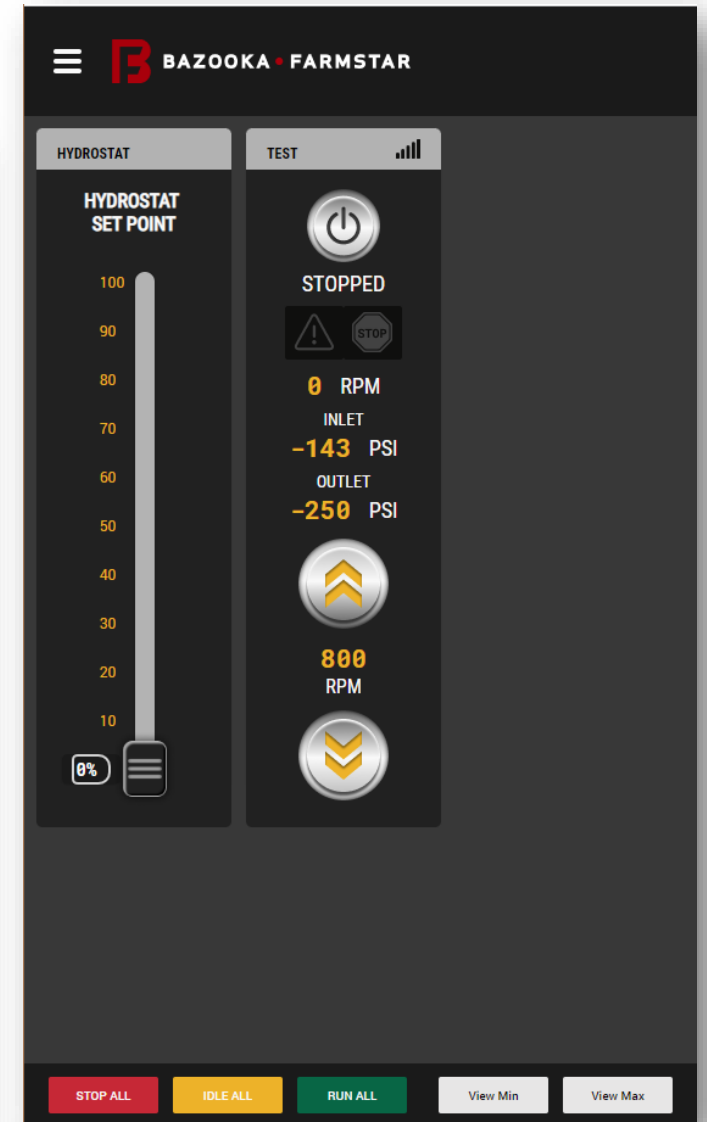
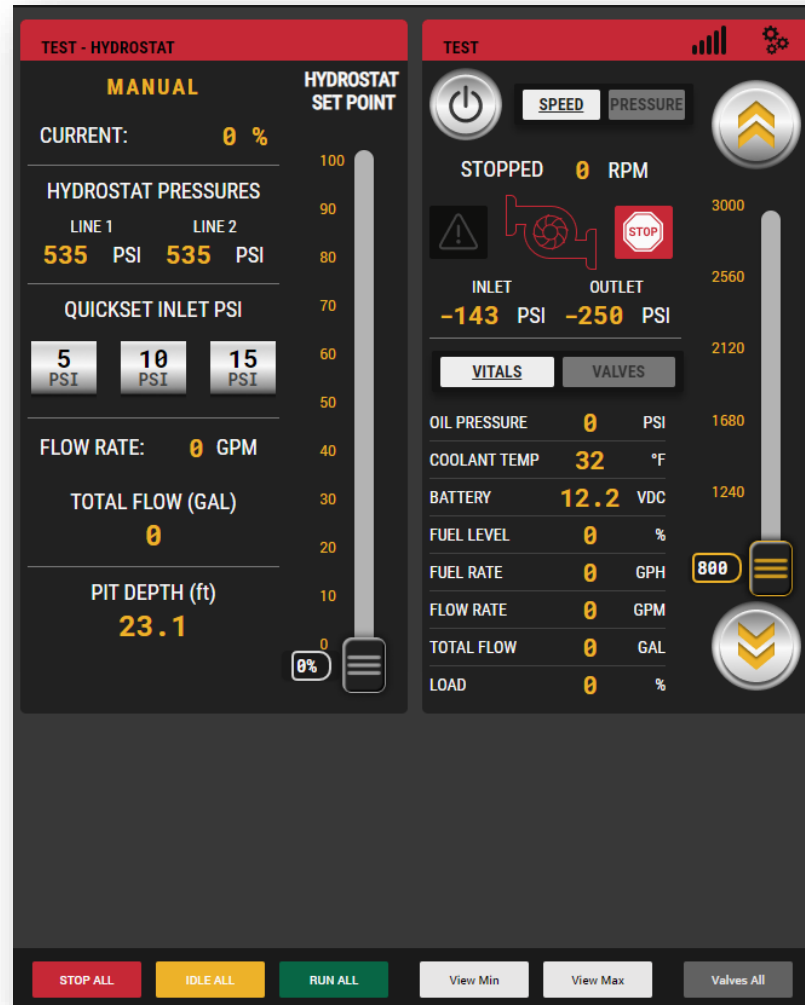
# Why Upgrade?

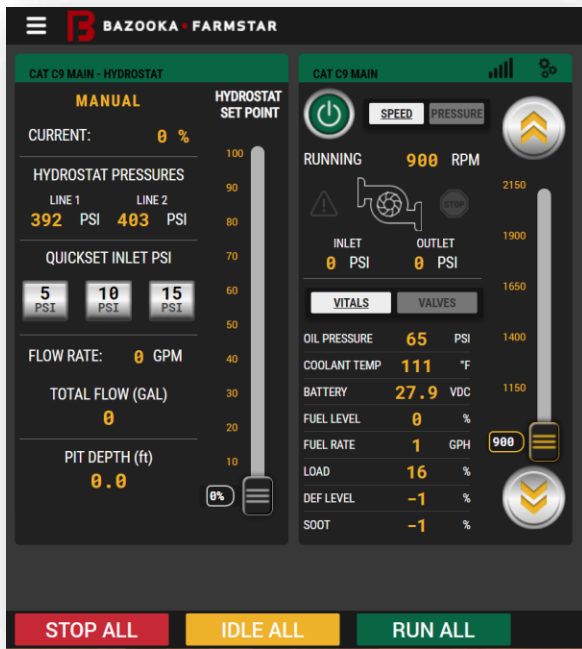
- Completely new, modern website at <https://www.farmstar-ecs.com>
- Better visualization of the pumps
- Better device management
- New job and crew tools
- Self-management of user credentials
- Better bug fixes and feature support
- Free Site Planning Tool for better job planning and communication
- Allows for new pushbutton panel upgrade

# New Engine Cards

- Upgraded engine cards for better visual cues
  - Card header turns red to show there is an error
  - Stop sign blinks
- View min and view max buttons
- Valves all & vitals all buttons

As seen on the right, the user can minimize engine cards to fit more units on a tablet, even in portrait view.



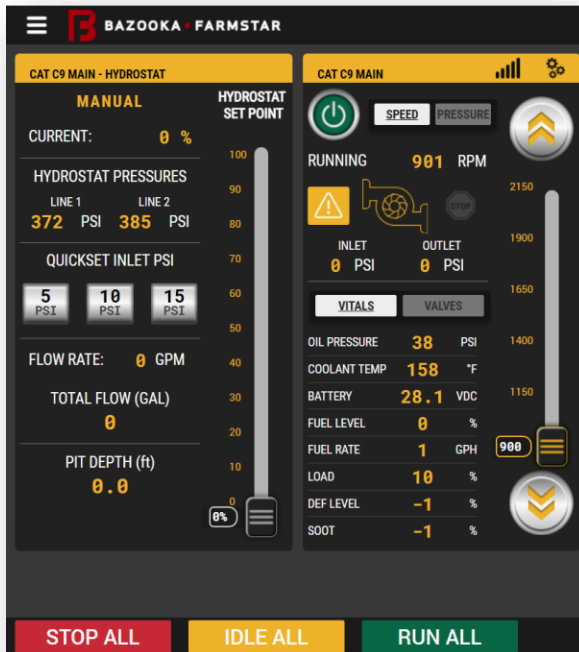


Engine  
running

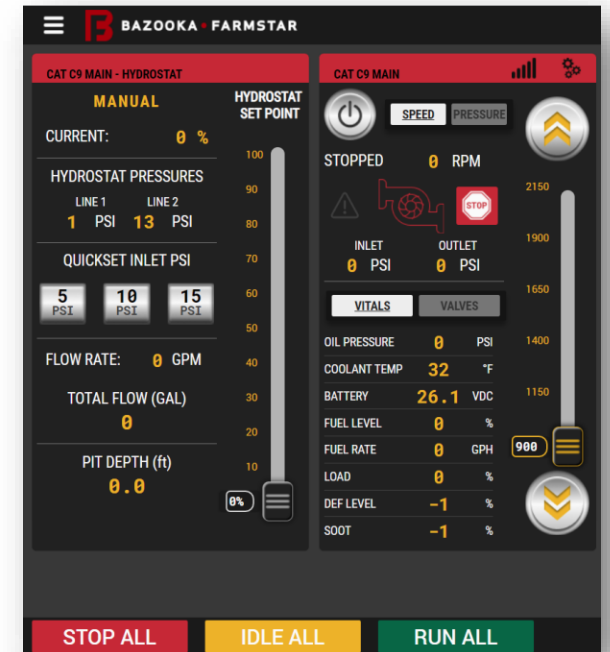


Engine  
stopped

## ENGINE STATE BASED ON CARD COLOR

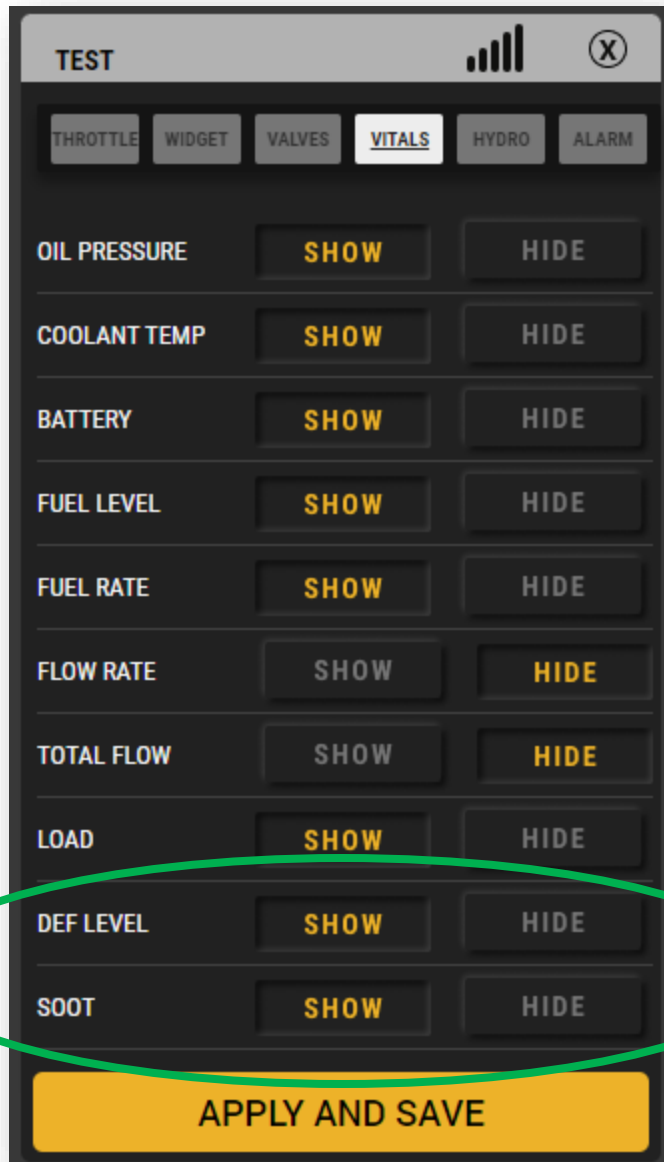


Engine warnings  
present

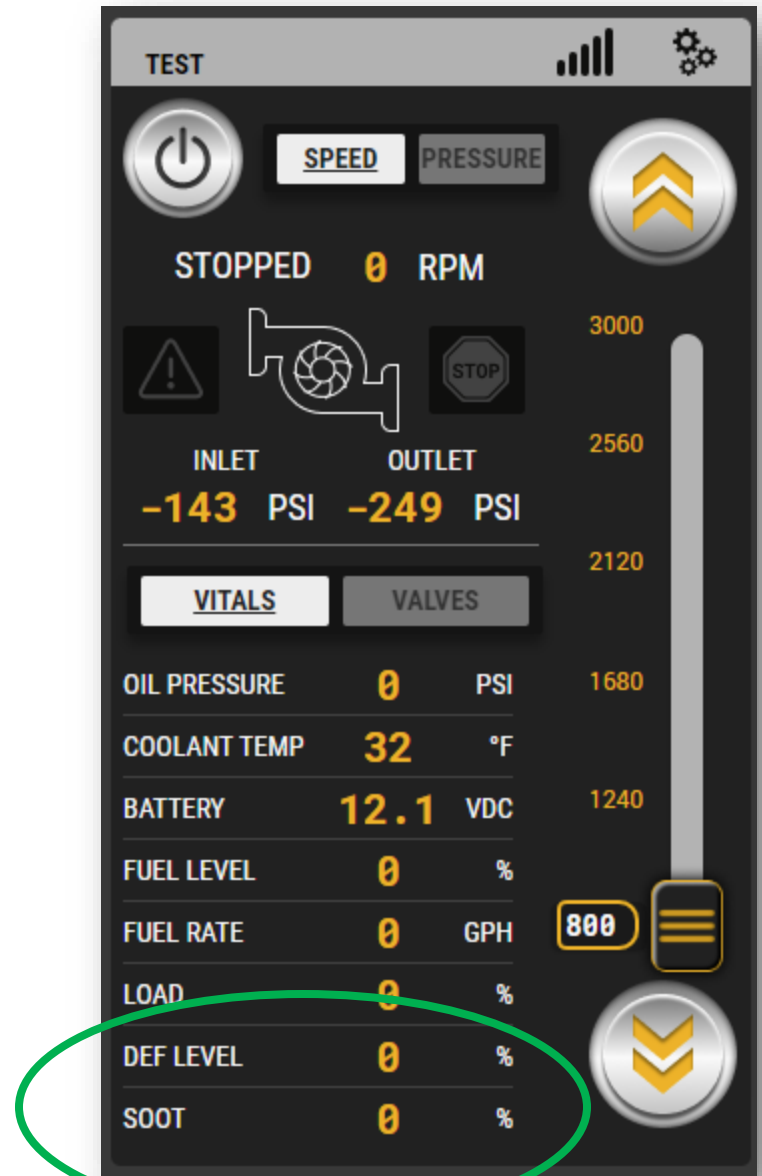


Emergency  
stop

# Tier Four Dashboard



The new .com site has readings on engine cards for DEF level and Soot percentage



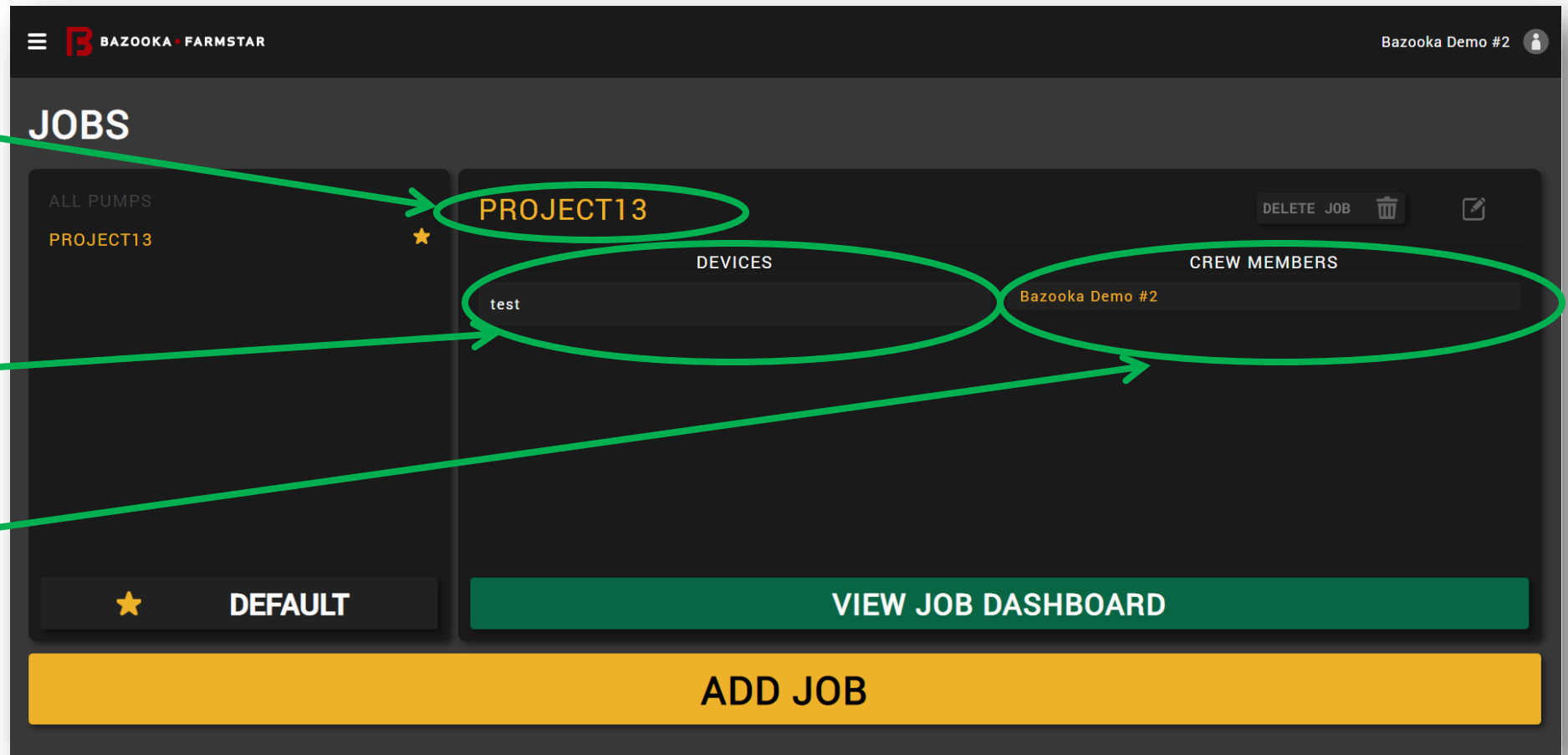
# New Jobs Feature

- Create a unique dashboard for multiple jobs
- Each job can contain specific devices on the dashboard
- Each job can be viewed by specific crew members

Job

Devices

Crew members





# Keypad Upgrade

- Latest software on .Com platform can support additional hardware
- Keypads to be used as Hotkeys for specific functions
- Large accessible buttons that are apparent as to what they control (visual indicators on each) and the state that they are in based on color
  - Green = Open gate or throttle up
  - Red = Closed gate or throttle down
  - Blinking yellow = gate In-between
  - Light Blue = lights ready
  - Dark Blue = lights on

*70-3010 Nexus 2 Keypad Kit*  
*List price \$1407*





# Site Planning

Now being offered for free with a Nexus account!

The screenshot displays the BAZOOKA FARMSTAR software interface. On the left, a sidebar menu includes options like Dashboard, Jobs, Crew Members, Devices, Notifications, Sites (highlighted with a red arrow), Feedback, and Home. The 'ACTIVE SITES' list on the right shows several farms, including 'pork paradise farms', 'Wesley Rinner Farm', 'Morning Star Farm', 'Hilltop dairy', 'Acom Bluff', 'Halane Farms', 'Putnam Farms', 'Hotz Farms', 'Silver bell hollow', and 'Buck Ridge Hop'. The main map area shows a satellite view of a farm with various fields labeled (field(1) through field(7)) and a network of infrastructure (hose, culvert, riser pipe, drag hose, pipeline) overlaid. A red arrow points to the 'HOSE' option in the left sidebar. The top status bar indicates 'hose(1) - 8 inches', 'ELEVATION: -40 ft', and 'TOTAL LENGTH: 5,049 ft'. The bottom status bar shows 'v1.0.96'.

pork paradise farms

22443 Co Rd G62, Winfield, IA 52659, USA



OPEN NEXUS APP

OPEN IN GOOGLE MAPS

Site Manager : Porky pig  
+1 (319) 275-9682  
[porkypig@bogus.com](mailto:porkypig@bogus.com)

# How Do You Upgrade?

- New software on the PowerVision display, provided by USB flash drive.
- New software on the internal BVR, provided by swapping BVRs with Bazooka.
- New account on new website, Bazooka can send the invite directly to the customer email address.

## **Four ways to get this done:**

1. Customer Self Service
2. Dealer
3. Tyson visit
4. Bazooka On-Site

# Update Option #1: Self Service

1. Customer gets put on the waiting list if there's large demand.
2. We ship the kit to the customer.
3. Tyson sends an email for them to create their account.
4. Customer follows the instructions:
  1. Copies old engine settings.
  2. Uses flash drive to load new software.
  3. Replaces the BVR and 3 wires.
  4. Re-enters the old engine settings.
  5. Tests, possibly calls Tyson to help.
5. Customer ships the old BVR back to us. (BVR can be reprogrammed and recycled for another customer.)
6. Customer might be able to install keypad upgrade on their own.

No cost to the customer.

We will handle this as an RMA, customer has 30 days to return the old BVR for credit, otherwise they will be charged (List price \$1038).



## **Nexus 2 Dashboard Upgrade 70-3140**

*70-3019 Nexus 2 BVR module*

*70-1708 USB thumb drive*

*Printed Instructions*

# Update Option #2: Dealer

1. We ship multiple BVR's to the dealer.
2. Tyson still has to send an email for the customer to create their account.
3. Dealer follows the instructions.
4. Tests, possibly calls Tyson to help.
5. Dealer ships the old BVR back to us. (BVR can be reprogrammed and recycled for another customer.)
6. Dealer can stock and sell and install keypads as well.

No cost to the dealer.

Dealer can charge customer for time doing the install.

We will handle this as an RMA, dealer has 30 days to return the old BVR(s) for credit, otherwise dealer will be charged (List price \$1038).



## **Nexus 2 Dashboard Upgrade 70-3140**

*70-3019 Nexus 2 BVR module*

*70-1708 USB thumb drive*

*Printed Instructions*

# Update Option #3: Tyson Visit

1. Tyson schedules a visit with the customer.
2. Tyson travels to customer site.
3. Tyson does the upgrade, swapping BVRs with some that he brings along.

Last resort- travel expenses and disrupts Tyson's time. May include a charge.

We can wrap this into site visits for troubleshooting or warranty visits.

Use for customer satisfaction.





# Update Option #4: Bazooka On-Site

1. Customer schedules a time to bring the unit to Washington. Ideally off-season.
2. Tyson/Owen/Phil R. does the upgrade.

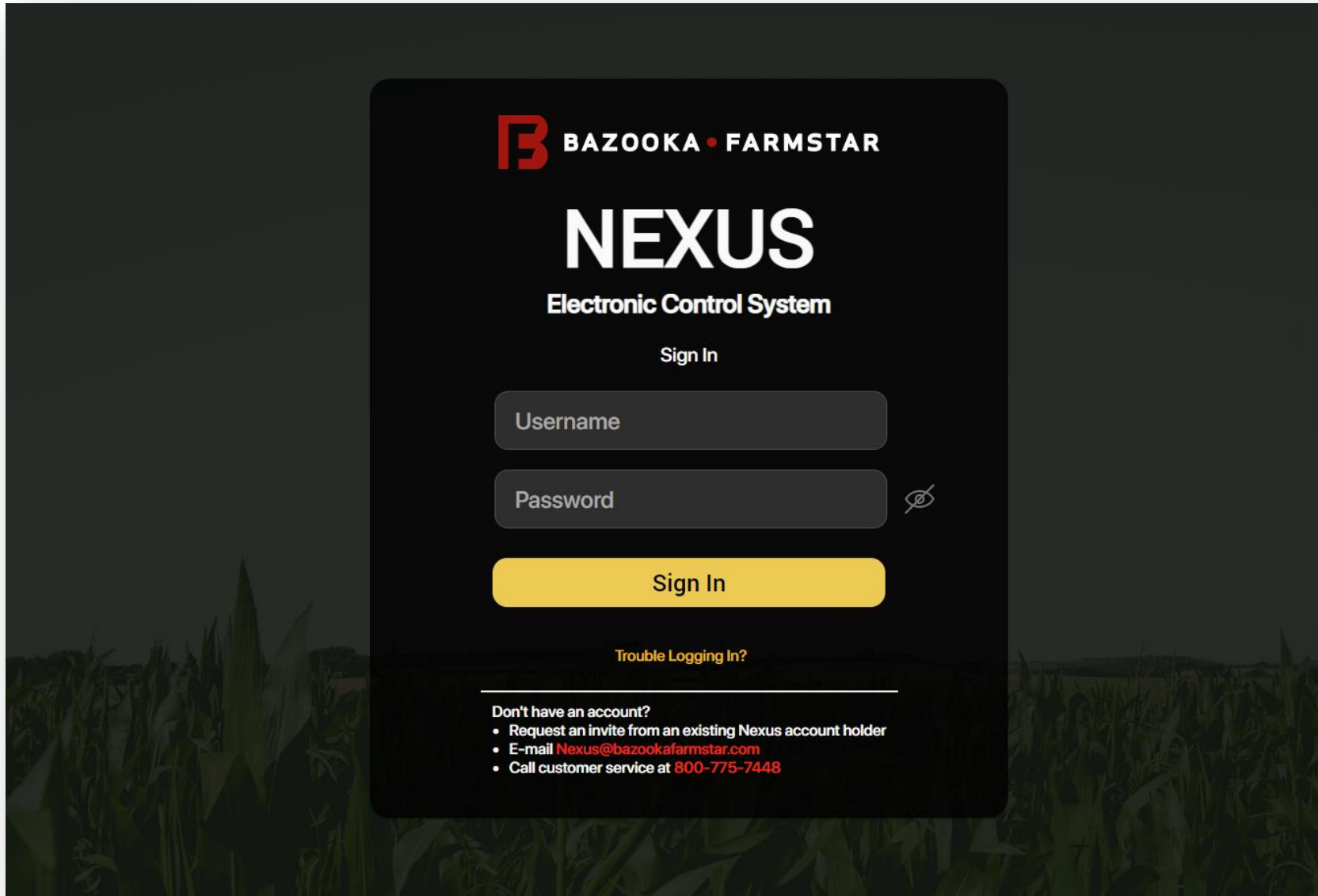
No cost to the customer.



<https://www.farmstar-ecs.com>

Username: bazooka-demo

Password: Ask Tyson for the password at: [tsmith@bazookafarmstar.com](mailto:tsmith@bazookafarmstar.com)



**BAZOOKA • FARMSTAR**

# NEXUS

Electronic Control System

Sign In

Username

Password

Sign In

[Trouble Logging In?](#)

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Don't have an account?

- Request an invite from an existing Nexus account holder
- E-mail [Nexus@bazookafarmstar.com](mailto:Nexus@bazookafarmstar.com)
- Call customer service at [800-775-7448](tel:800-775-7448)



## Full Feature List:

- Fully cloud driven (AWS) makes site modifications faster and cheaper
- All new website
  - .com domain name
  - Sandwich button to hide toolbar for more screen space
  - Notifications of activity on account (new crew members, new panels, etc)
- New hardware features:
  - Allows user to add physical keypad (hotkeys) on front of panel for easier control
  - No need for a more complex and expensive static IP address SIM card
- Engine cards revamped:
  - Minimized/maximized card view option
  - Valves/Vitals all buttons
  - Engine header changes color based on state of the engine
  - Tier four dashboard ready (includes options for DEF & Soot to be show on card)
  - Control of hydrostat visibility and location either right or left of engine card
  - Unlimited engine controllers on one account (old site is 20 controllers)
  - Valve feedback (when an open/close function is pressed, the button blinks yellow for 8 seconds to show option has been pressed by operator)
- All new organization:
  - Create jobs to group engines and crew members to a unique dashboard
  - Add and remove your own engine units to your account using a pairing code
- All new user management:
  - Change your own password
  - Easy sub account setup and delete options
- Site planning tool
  - Track number of farms, fields, equipment used for each site, & stored documents
  - Easy map sharing feature
  - Easy navigation sharing feature