



Force America Modular In-Cab Control System



What is PreCise?

- AVL – Automatic Vehicle Location
- Material Use Statistics
- Real-time Asset Reporting & Monitoring
- Real-time ARC (Air & Road Condition) Reporting

Requesting New User Log-In

To request a new user:

- Fill out the New User Request Form
- Determine what type of user profile you would like the new user to have
- Sign and return to the Supply & Equipment Office to
 - BeachJP@scdot.org
 - GallantKS@scdot.org
 - CosentinJA@scdot.org



User Request Form

- ☐ New User
- ☐ Remove User
- ☐ Change User Profile
- ☐ Reset Password

First Name: _____

Last Name: _____

Email: _____

Profile Type Requested:

<input type="checkbox"/> Dist. 1	<input type="checkbox"/> Dist. 3	<input type="checkbox"/> Dist. 5	<input type="checkbox"/> Dist. 7	<input type="checkbox"/> County
<input type="checkbox"/> Dist. 2	<input type="checkbox"/> Dist. 4	<input type="checkbox"/> Dist. 6	<input type="checkbox"/> SWD	<input type="checkbox"/>

If you selected County,

County Name: _____

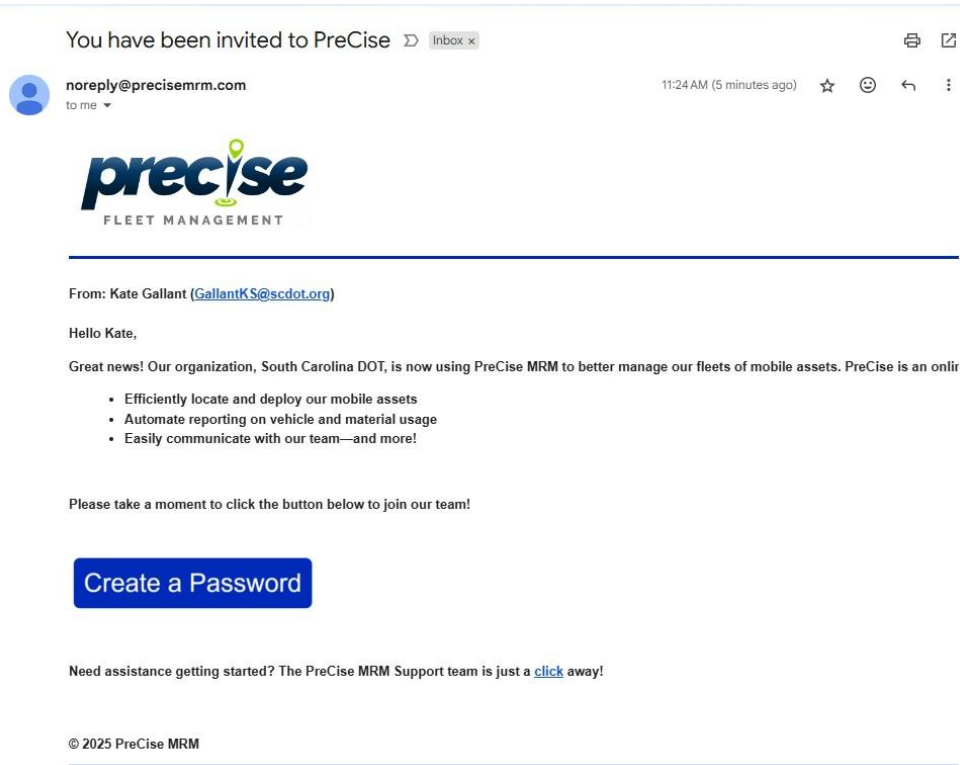
Requested by: _____

Date Requested: _____

Date Completed: _____

New User Invitation

Email – this is not phishing or spam



Create a New Password

A screenshot of a web browser showing the 'Change Password' form. The form is titled 'Change Password' and includes fields for 'User Name' (pre-filled with 'ksgallant@gmail.com'), 'New Password', and 'Confirm New Password'. Below the fields are 'Send' and 'X Cancel' buttons. The Precise logo and '© 2025 PreCise MRM' are visible at the bottom of the form.

Components

Each new truck is equipped with 3 components for the new operating systems:

- SSC5100ex Spreader Control
- Modular, in-cab control system
- PreCise-MRM ARC Wireless Air & Road Condition System

Modular, in-cab control system



NEW DUMP TRUCK OPERATING SYSTEMS

SSC5100ex Spreader Control



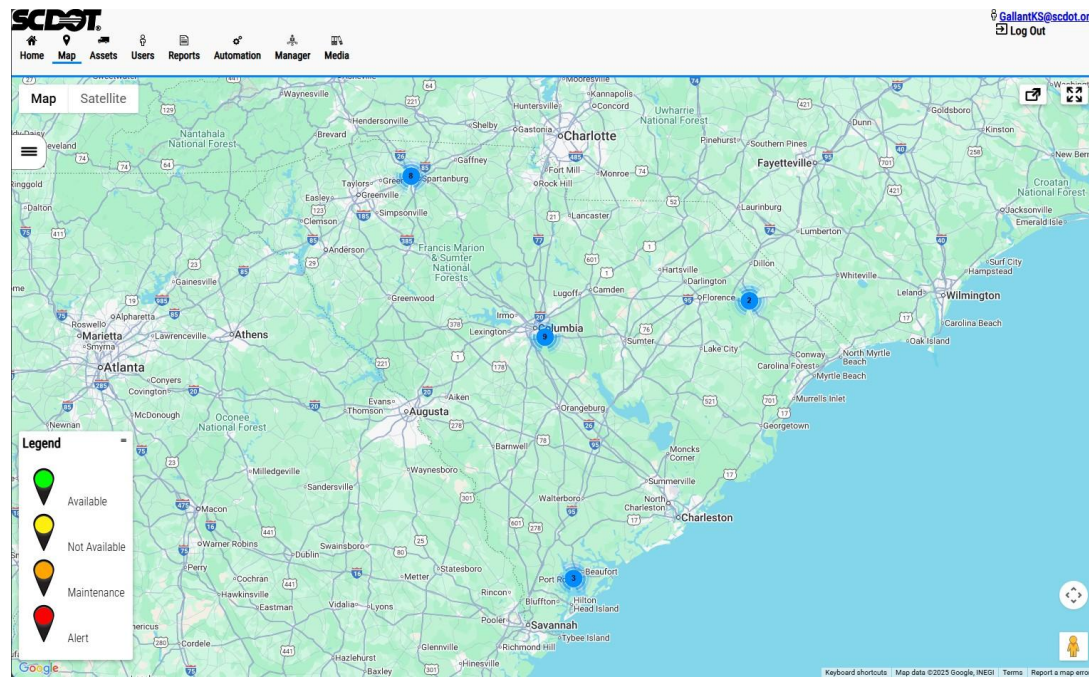
The 5100ex is a fully-integrated, all-in-one spreader control designed for heavy duty winter maintenance operations.



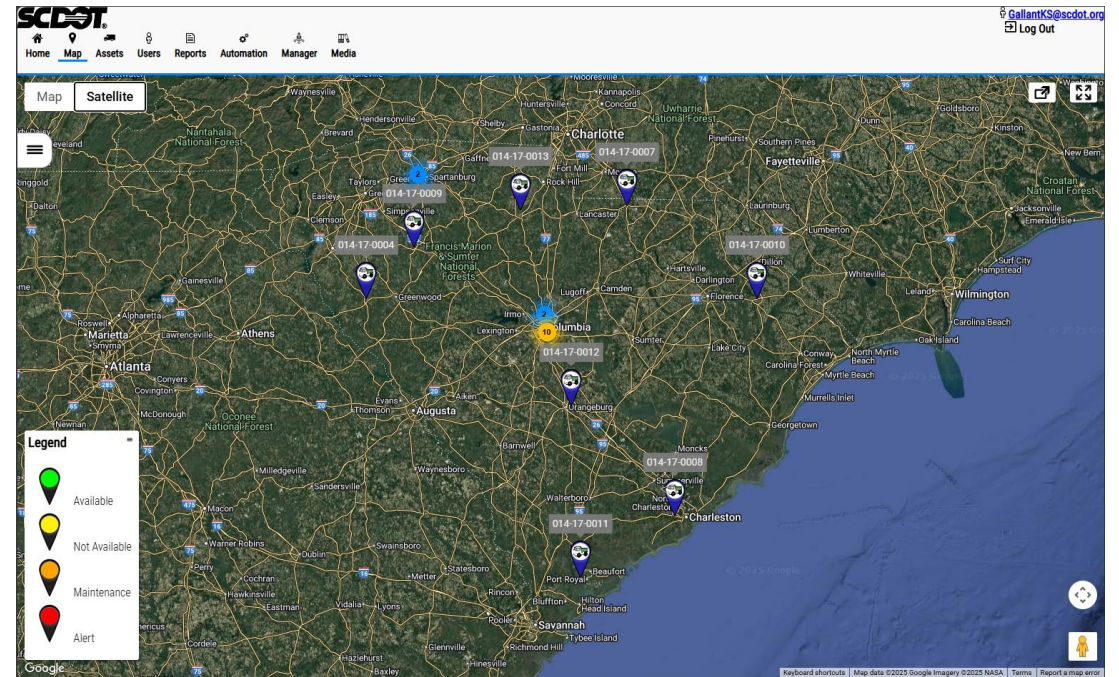
PreCise-MRM, integrated AVL/GPS data collection, mapping and reporting systems. Sensor and remote in-cab displays for road

Asset Map

Aerial View



Satellite View



Individual Asset Real-Time Snapshot

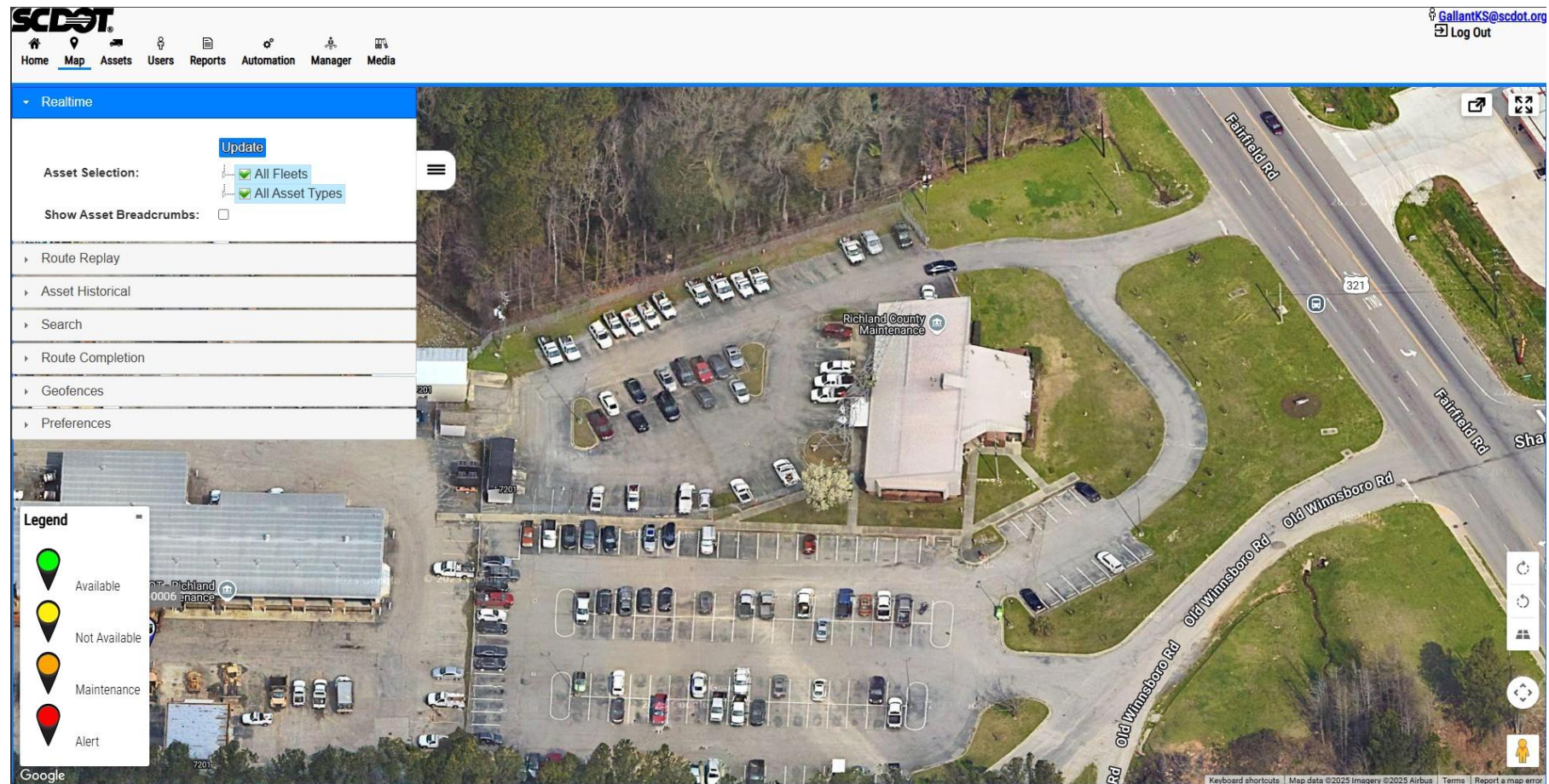
When you click on a specific asset you are presented with a pop-up window with current equipment data

- SCDOT Equipment # (Name)
- County Assignment (Fleet)
- Asset Type
- Last Reported: (shows the last time data was reported)
- Speed (shows current speed)
- Ignition
- Plow
- Odometer

The screenshot displays the SCDOT web application interface. At the top, there is a navigation bar with links: Home, Map, Assets, Users, Reports, Automation, Manager, and Media. The user is logged in as GallantKS@scdot.org. The main view is a satellite map showing a parking lot with several vehicles. Two assets are highlighted with blue location pins: 014-17-0005 and 014-17-0006. A legend in the bottom-left corner explains the pin colors: green for Available, yellow for Not Available, orange for Maintenance, and red for Alert. A detailed pop-up window for asset 014-17-0006 is open on the right, displaying the following information:

Name:	014-17-0006
Fleet:	South Carolina - Richland
Asset Type:	Tandem
Distance From Home:	0.1 Miles
Last Reported:	7/14/2025 8:43:30 AM
Last GPS:	7/14/2025 8:36:27 AM
Heading:	North
Speed:	0.0 MPH
Ignition:	On
Plow:	Down
Odometer:	3363.5 miles
Engine Hours:	234.9
ARC WTS-01 #:	020E 3094 5584 6C16
Notes:	Edit Note
Address:	7201 Fairfield Rd, Columbia, SC 29203, USA
Coordinates:	[34.08322,-81.02597]
Spreading Status:	0
Granular Material:	SALT
Granular Setting:	0 lb/mi
Granular Spread Rate Index:	0
Granular Mode:	0
Prewet Setting:	0 gal/ton
Prewet Spread Rate Index:	0
Prewet Mode:	0
Direct Setting:	0 gal/mi
Direct Spread Rate Index:	0
Direct Mode:	C
Vehicle ID:	SCDOT-24
Spinner Dial Setting:	0

Map Menu & Features



Reporting Settings

Device Settings

Exception Reporting

Excessive Speed Limit	Enabled:	<input type="checkbox"/>	MPH:	<input type="text" value="570"/>
Excessive Idle Time Limit	Enabled:	<input checked="" type="checkbox"/>	Time:	<input type="text" value="45"/> Minute(s) ▾
Voltage Should Not Drop Below	Enabled:	<input type="checkbox"/>	Volts:	<input type="text" value="0"/>
Ignition Cycles	Enabled:	<input type="checkbox"/>	Counts:	<input type="text" value="0"/>
	Time:	<input type="text" value="1"/> ▾		
Power Loss	Enabled:	<input checked="" type="checkbox"/>		
Invalid Operation Interval	Enabled:	<input type="checkbox"/>	Start	End
			<input type="text" value="Saturday"/> ▾	<input type="text" value="Saturday"/> ▾
			<input type="text" value="12:00 am"/>	<input type="text" value="11:59 pm"/>
GPS Loss Threshold	Enabled:	<input checked="" type="checkbox"/>	Time:	<input type="text" value="30"/> Minute(s) ▾
Days Since Last Report	Enabled:	<input checked="" type="checkbox"/>	Time:	<input type="text" value="7"/> Day(s) ▾
Inside Geofence Exception Selection	Enabled:	<input type="checkbox"/>	Fences:	<input checked="" type="checkbox"/> All
Outside Geofence Exception Selection	Enabled:	<input type="checkbox"/>	Fences:	<input checked="" type="checkbox"/> All
Exit Geofence Exception Selection	Enabled:	<input type="checkbox"/>	Fences:	<input checked="" type="checkbox"/> All
Plow Down Exception	Enabled:	<input type="checkbox"/>		
Plow Up Exception	Enabled:	<input type="checkbox"/>		
Being Towed Exception	Enabled:	<input type="checkbox"/>		
Diagnostic Trouble Codes	Enabled:	<input checked="" type="checkbox"/>		
FORCE Controller Exception	Enabled:	<input type="checkbox"/>		

Configuration & Exception Reporting

Training

PreCise Training QR Code



Training Video on SCDOT.org

<https://www.scdot.org/inside/maintenance-training.html>