

Integrated Emergency Response Application

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- Restoring services such as electricity, gas and water following large scale outages caused by weather-related events such as ice storms, hurricanes, and thunderstorms is an expensive and daunting responsibility for utility companies.
- Emergency events damage assets, resulting in millions of dollars of restoration and recovery costs.
- To manage restoration efforts, many utility companies use an array of enterprise software including Outage Management Systems (OMS), Mobile Dispatch Systems (MDS), Emergency Management Systems (EMS), Geospatial Information Systems (GIS), and Customer Information System (CIS).



- Avineonics Outage Restoration Management Suite (ORMS) is a one-of-a-kind software solution that offers a comprehensive toolset to automate outage restoration planning activities well in advance and managing restoration efforts.
- ORMS provides process assurance and improves situational awareness in a secure manner. It provides role-based access and functionality. The key users of the system include:
 - Executives and senior management
 - Emergency managers
 - Emergency preparedness coordinators

- Incident management personnel
- Operations managers
- Support personnel
- Logistics personnel
- Environmental, health, and safety personnel
- Corporate communication personnel
- Finance and accounting personnel
- Contractor team leaders
- Mutual assistance supervisors
- Staging site managers



Analysis

- Critical assets and business processes
- Threats and vulnerabilities
- Scenarios

Planning

- Plans Annual reviews and online sharing of the latest version of the plan documents
- Contacts and Companies List Contractors, suppliers, media, government, mutual assistance, hotels, etc.
- Emergency Role Assignments First, second, and third roles for personnel
- Response and Recovery Teams team structures for various categories and types of emergencies
- Checklists Electronic checklists by emergency role
- Resources Emergency equipment and supplies by location

- Inspection Schedules Schedules and status of inspections related to systems fire, medical, switching, control, etc.
- On Call Rosters Daily/ weekly assignment of on call personnel designated for critical emergency roles



Training

Tracking individual training, licensing and certification records

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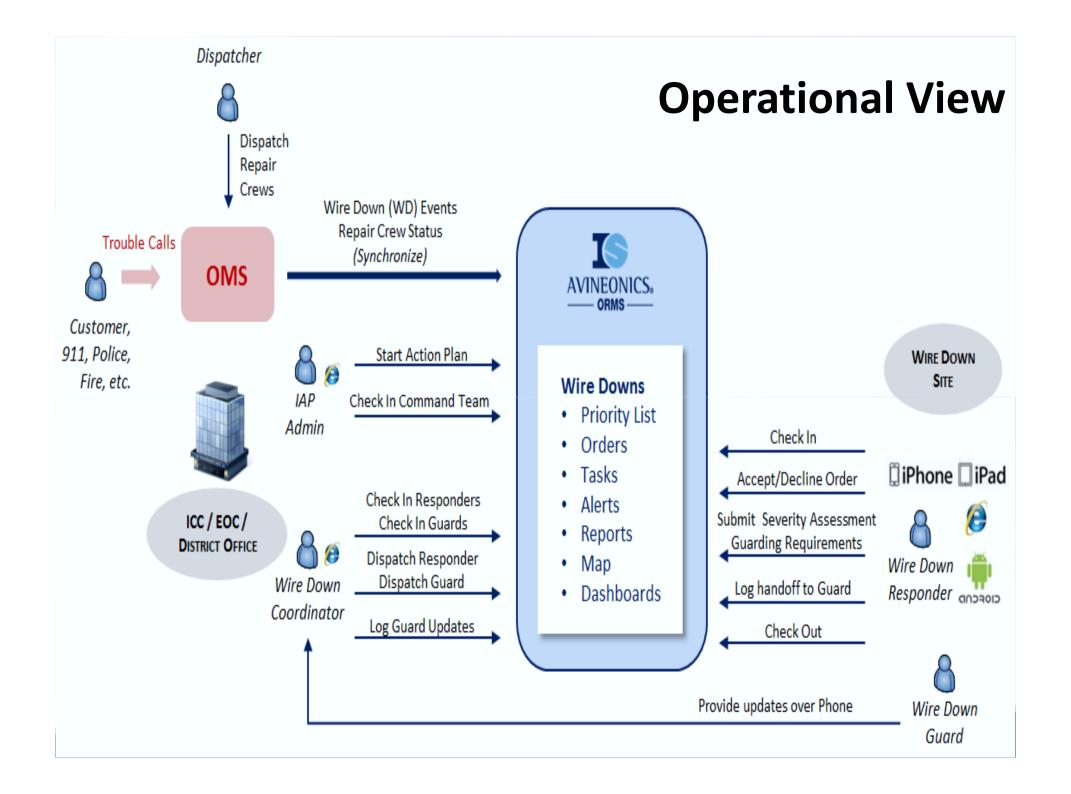
Exercises and drills

Restoration

- Alerts and notifications
 - Weather events and predictions
- Plan activation
 - Sites, days/shifts, organizations, etc.
- Damage assessment
 - Rapid and detailed
- Incident action planning
 - Strategy, objectives, and tactics
- Resource management
 - Management teams, crews, support personnel, lodging, vehicles, and equipment
- Communications management
 - Meetings, press releases, and electronic bulletin boards for status updates
- Task Management
 - Preplanned and ad hoc task assignment and tracking
- Reporting

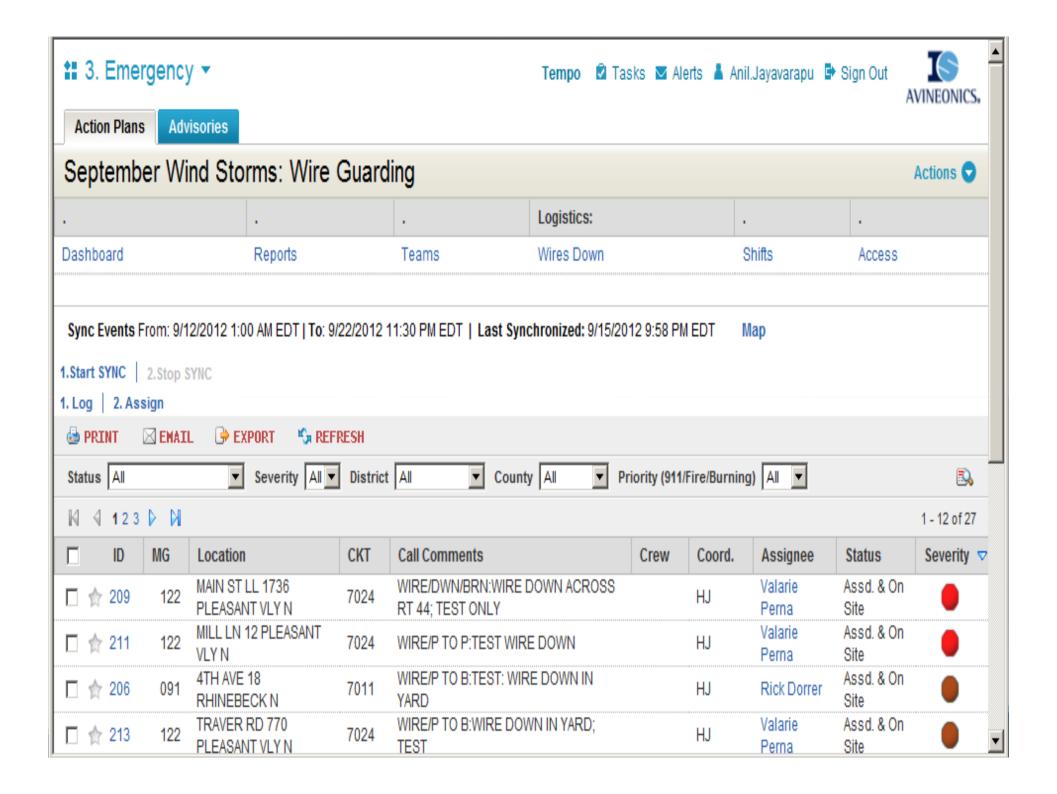


- Improvement
 - Lessons learned
 - Corrective actions
- Measurement
 - Preparedness for managing emergencies
 - Process compliance during restoration efforts



Role	Action to Perform	Portal	Page		
IAP Administrator	Start Incident Action Plan.	Apps	Page: Emergency > Action Plans Click on link "Start IAP"		
	Close Incident Action Plan.	Apps	Page: Emergency > Action Plans Click on link "Close IAP"		
	Delete Incident Action Plan.	Apps	Page: Emergency > Action Plans Click on link "Delete"		
	Grant IAP access to users.	Apps	Page: Emergency > IAP > Access Click on link "Add/Remove"		
	Start import of WD events/updates.	Apps	Page: Emergency > IAP > Wire Down Click on link "Start SYNC"		
	Stop import of WD events/updates.	Apps	Page: Emergency > IAP > Wire Down Click on link "Stop SYNC"		
	Open Incipation Plan.	Apps	Home > Click on link in "ID" column		
	Open Wir Page.	Apps	Once IAP is opened, Click on link "Wire Down"		
	Open Dashboard.	Apps	Once IAP is opened, Click on link "Dashboard"		
	Select Supervisor for the team.	Apps	Once IAP is opened, Click on link "Teams" Click on link in "ID" column to open team Click on link "Supervisor"		
	Login members to a team.	Apps	Once IAP is opened, Click on link "Teams" Click on link in "ID" column to open team Click on link "Members"		
	Check in and check out personnel.	Apps	Once IAP is opened, Click on link "Teams" Click on link in "ID" column to open the team Click on link "Status"		
	Assign or re-assign WD order to WD Responder/Guard.	Apps	Once IAP is opened, Click on link "Wires Down" Click on link "Assign"		
	Log new WD order.	Apps	Once IAP is opened, Click on link "Wires Down" Click on link "Log"		
	Log update received from WD Responder/Guard.	Apps	Once IAP is opened, Click on link "Tasks" in the top Open relevant task and input the information		
WD Supervisor WD Coordinator	View Wire Down Assessment.	Apps	Once IAP is opened, Click on link "Wires Down" Click on link in "ID" column to open WE Order Click on link in "ID" column to oper Assignment		

Role	Action to	Portal	Page
	Perform		
WD Responder	Start Avineon app.	iPad	Click on icon "Avineonics"
	Self check in to IAP.	iPad	While in Avineonics app, Click button "Actions" Click on "Check In" under Emergency Panel
	View assigned WD orders.	iPad	While in Avineonics app, Click on "My Tasks" on the left
	View recent updates.	iPad	While in Avineonics app, Click on "Updates" on the left
	View all updates.	iPad	While in Avineonics app, Click on "Home" on the left
	View WD Map.	iPad	Click on icon "Safari" Type URL http://orms.avineon.c om/map
	Self check out from IAP.	iPad	While in Avineonics app, Click button "Actions" Click on "Check Out" under Emergency Panel





Responder Backlog



Guard Backlog



1. Update 2. Generate

ID: 336 | Name: IAP TEST ASSIGN MAP 28 NOV | Incident Commander(At activation):

CH Supervisor

Level: Level 2 | Status: Watch | Type: Real World Incident

Watch: 11/28/2012 7:12 AM EST | Start: 11/28/2012 7:12 AM EST | End: 11/28/2012

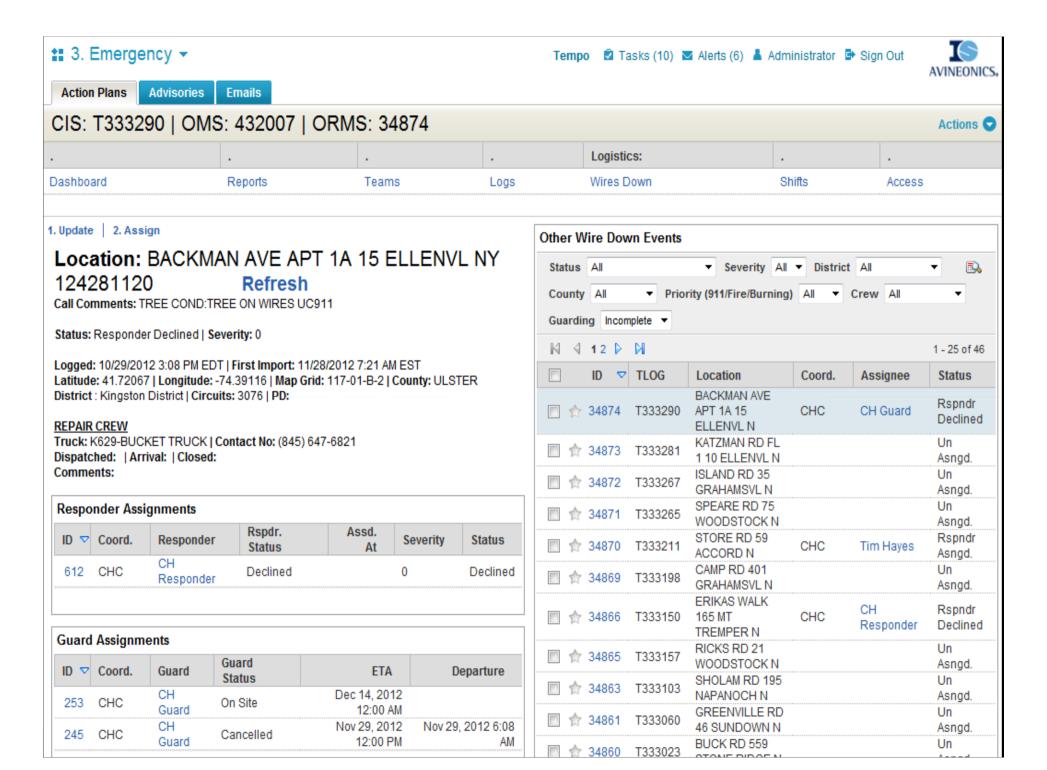
3:12 PM EST

Cause: Real time Testin from MAP Safety Message: Saftey Messages

ICS Forms

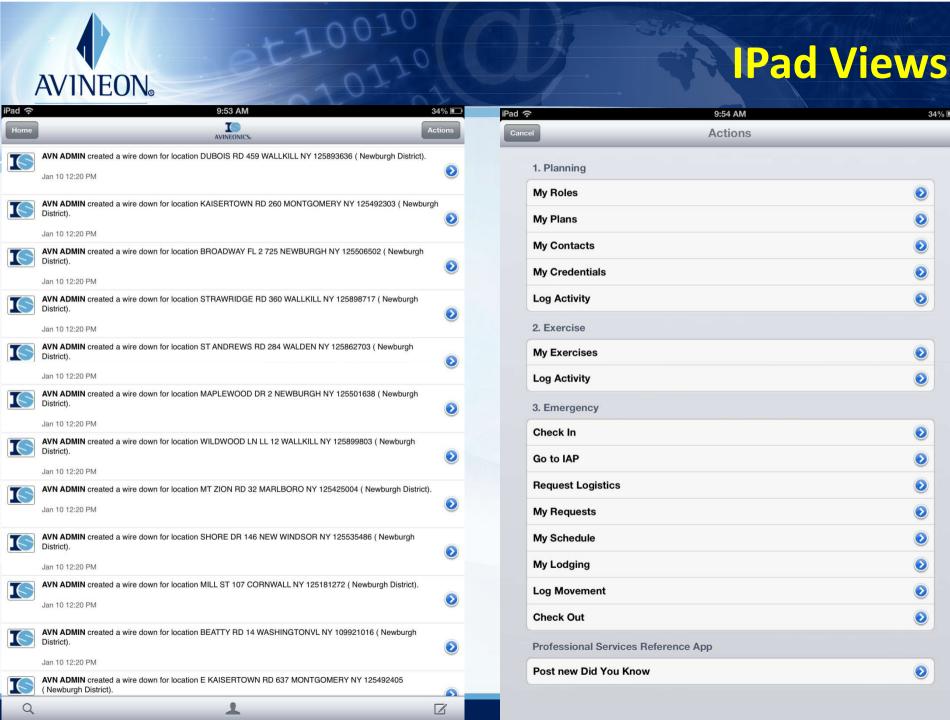
Incident Action Plan (IAP)

Provide functionality to update emergency timeline, status and to generate ICS Forms and Action Report based on data entered in various sections of this IAP.





IPad Views



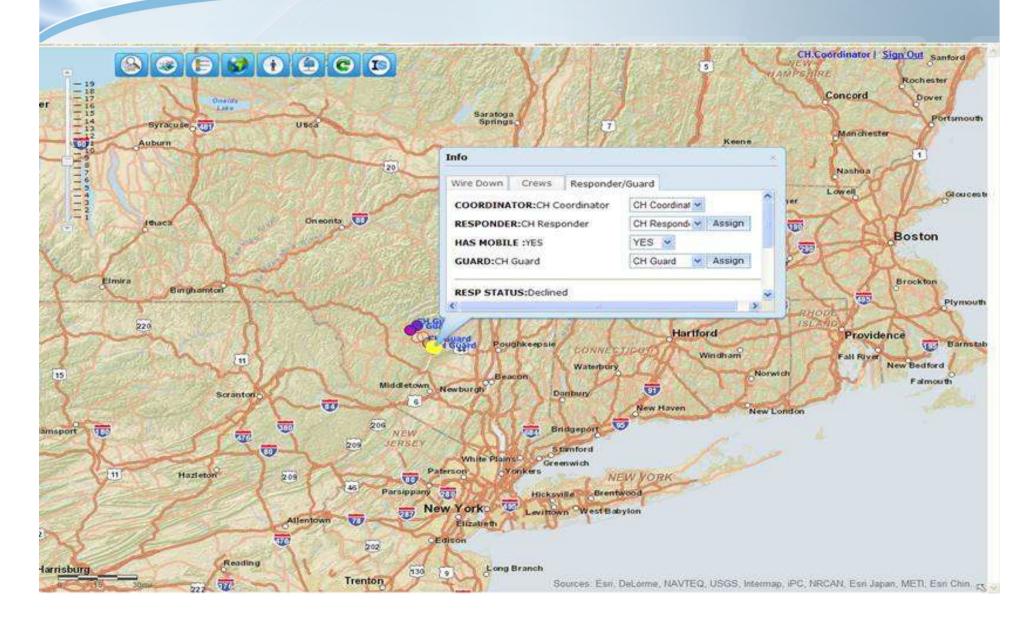


IPad Views

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	conics.	Home	<i>A</i> ppian		
Circuits 3076 Map Grid 116-00-D-2 District Kingston District County ULSTER TLOG T333281	ONICS.	Damage ON OC	None FF On Road FF Off Road - ROW FF Private Property - CP Line FF Blocking Driveway		
Case No. 431557 Crew Details Truck K629-BUCKET TRUCK		ON C	Secondary FF Telephone FF CATV FF Unknown		
Line/Tree Crew Dispatched At		Spans of 5-10	Wire (required)	V	
10/30/2012 3:46 PM IST Arrived At		None	dition (required)	v	
Status Responder Assigned Closed At		Yes Pole Nur NA		~	
			d At (required) 2013 10:05 AM IST		
Responder CH Responder		Severity 3	(required)	~	
Assignee Status Enroute		Requires t conductor	[4 - Highest]: Primary conductor that poses a high risk to public safety due to its location in a road or pedestrian-accessible: Requires the responder/guard to remain on-site until after the wire has been made safe by a qualified crew or line foreman; conductor, but is not on a main road or other easily accessible location. Requires the responder to remain on-site until the conductor, but is not on a main road or other easily accessible location. Requires the responder to remain on-site until the conductor. Responder will attempt to notify the provided of the prov		
Dispatched At 1/22/2013 10:28 AM IST ETA		customers (wire is bro [1 - Lowes	customers and will barricade/tape off the area. If wire is either open wire secondary, or triplex service cable that has an exposed end (wire is broken), Wire Responder/Guard will remain on-site until a qualified person has verified that the wire is not energized; [1 - Lowest]: Not an electric conductor and is not in contact with an electrical conductor, but is instead phone, cable or other communications property.		
1/22/2013 10:28 AM IST			oad File (Picture/Voice) pose File		
	ок	Remarks Remark			



Map Portal



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Technologies





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IPad Device Deployment

Cloud Infrastructure

ArcGIS Online

KML File Formats

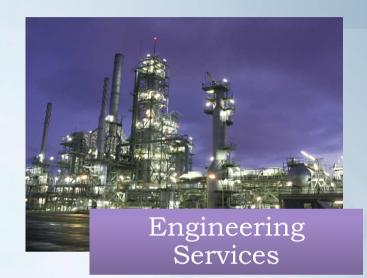
Avineonics



Services Overview



Geospatial Services







Avineon | Visualize IT. See IT Through.

Cyber Gateway, Block A - 1st Floor, Hitech City, Madhapur, Hyderabad, INDIA - 500 081. (An ISO 27001:2005, ISO 9001:2008, ISO 14001:2004 & OHSAS 18001:2007 certified company)

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