

## Lumada FSM

# Hitachi Vegetation Manager

Closed-loop digital solution for work planning and field patrols

Predicts emergent risks, optimizes cut plans and provides a sole source of truth for vegetation data

Hitachi Vegetation Manager is a highly scalable and intuitive application that leverages artificial intelligence and advanced analytics to improve the accuracy and effectiveness of an organization's vegetation management and planning efforts.

### Forecast

- Visualized lines, structures and switches, business rule layers
- Infringement detection
- Fall-in detection
- Tree canopy identification
- Tree health assessment
- Tree height detection
- Growth conflict prediction
- Integration with Maxar constellations
- Automatic ML/AI pipeline with automatic reinforcement models

### Plan

- Advanced plan scheduling & cycle recommendations
- Infringement & risk classification
- FAC-003-4 risk modeling
- Automatic work unit classification
- Automatic work cost estimation
- Vegetation plan management
- Distance measurement
- Area calculation
- Multi/lasso selection
- Hazard markers & access paths
- Equipment & work staging
- Commenting
- Integration with GIS & WMS

### Patrol

- Patrol & inspection setup
- Hot-spot, planned, or storm assessment
- Aerial, ground, or walking adaptation
- Work unit codes for asset and vegetation issues
- Live voice notes & automatic transcription
- GPS/navigation



### Prepare

- Customer information management
- Parcel status/documentation management
- Equipment location/status
- Easement & rights management
- GPS/navigation
- Access/drop paths
- Caution/drop notes
- User chat & user management
- Plan & progress reporting

### Adjust

- Infringement/polygon adjustment
- Polygon addition and modification
- Plan/schedule adjustment
- Work type adjustment
- Work area assignment modification
- Work/progress status modification
- Easement modification
- Deferral impact and estimation
- Cycle adjustment
- Risk adjustment
- Work/crew auditing
- Crew skill evaluation





Hitachi Vegetation Manager is a part of the Lumada FSM solution in our Lumada portfolio for asset and work management, software that enables asset-intensive industries to be more adaptive, collaborative, insightful and predictive. More than a system, it's an ecosystem that embraces your existing technologies, enabling you to gain the benefits of the latest technological advances without sacrificing the investments you have already made.

Lumada software offers the latest in development and delivery paradigms, with a modular architecture that is designed to support customer needs for agile delivery in a changing market. Customers can deploy precisely what is needed, when it is needed—this “selective consumption” model liberates customers from the forced “rip & replace” upgrades of the past.



### Lumada EAM

Enterprise Asset Management



### Lumada FSM

Field Service Management



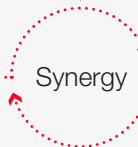
### Lumada APM

Asset Performance Management



**Execute the work**  
Optimize for skill

## Lumada FSM



**Plan the work**  
Optimize for risk

## Vegetation Manager



Vegetation risk data to further inform asset health

Understand tree inventories and risk with the right resources while understanding ground conditions and create a better customer experience