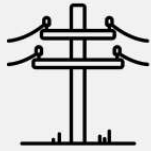# AiDash IVMS Proposal for Pilot

Technology

Platforms

License

PATENT PENDING

AI

SaaS Perpetual

AiDash proposes to set up a dedicated instance of IVMS with following modules configured & customized as per client requirements.

Line Clearance

Cycle trim planning
Hot-spotting / Mid-cycle trim

Work Management

Contractor management & bid packs
Work orders
Work prioritization & scheduling

Hazard Tree

Outside RoW
Inside RoW

Budget Planning

Budget allocation & optimization
Contractor spend optimization

Remote Survey

Transmission line survey
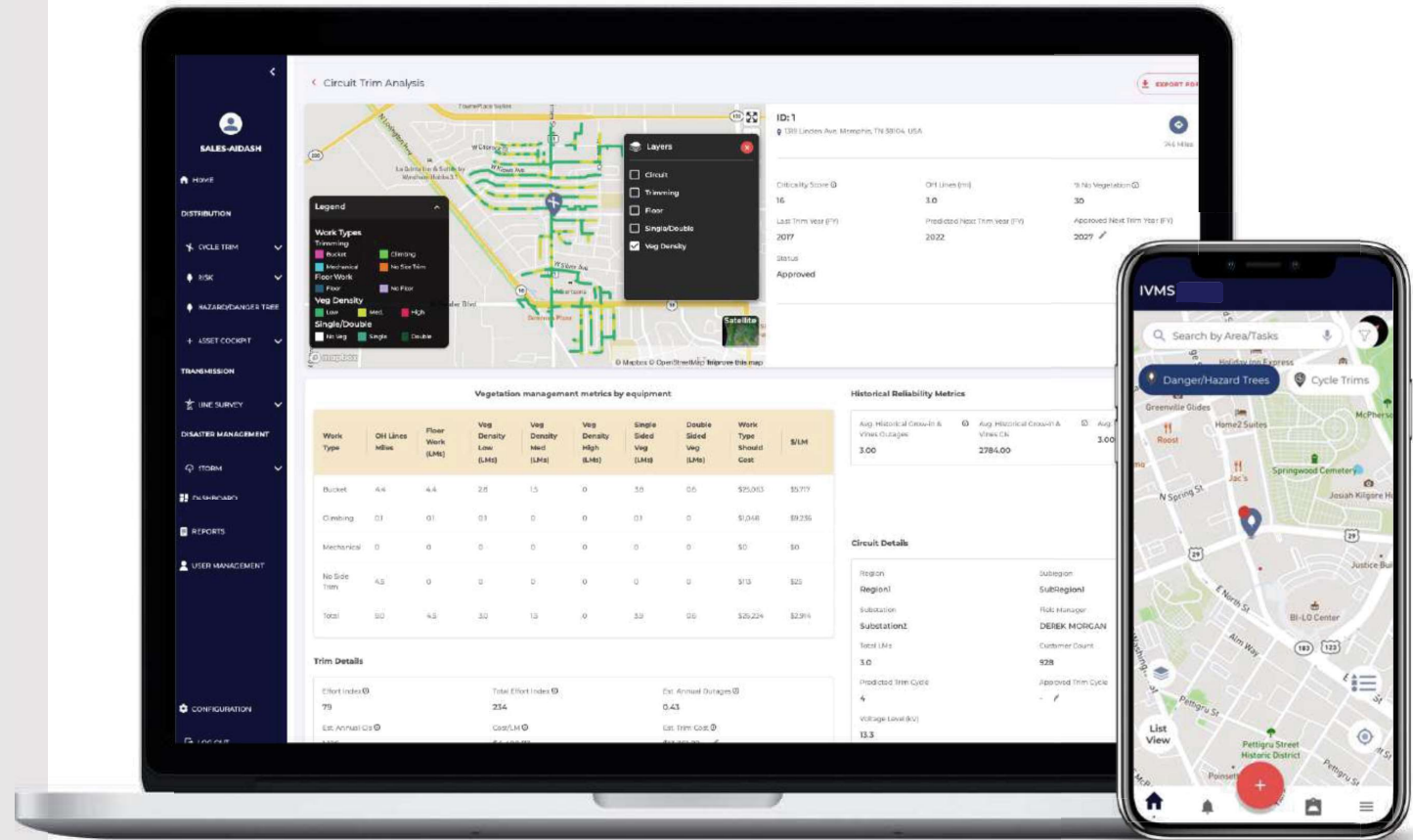Regulatory reports

Herbicides & Growth Regulators

Fire Mitigation

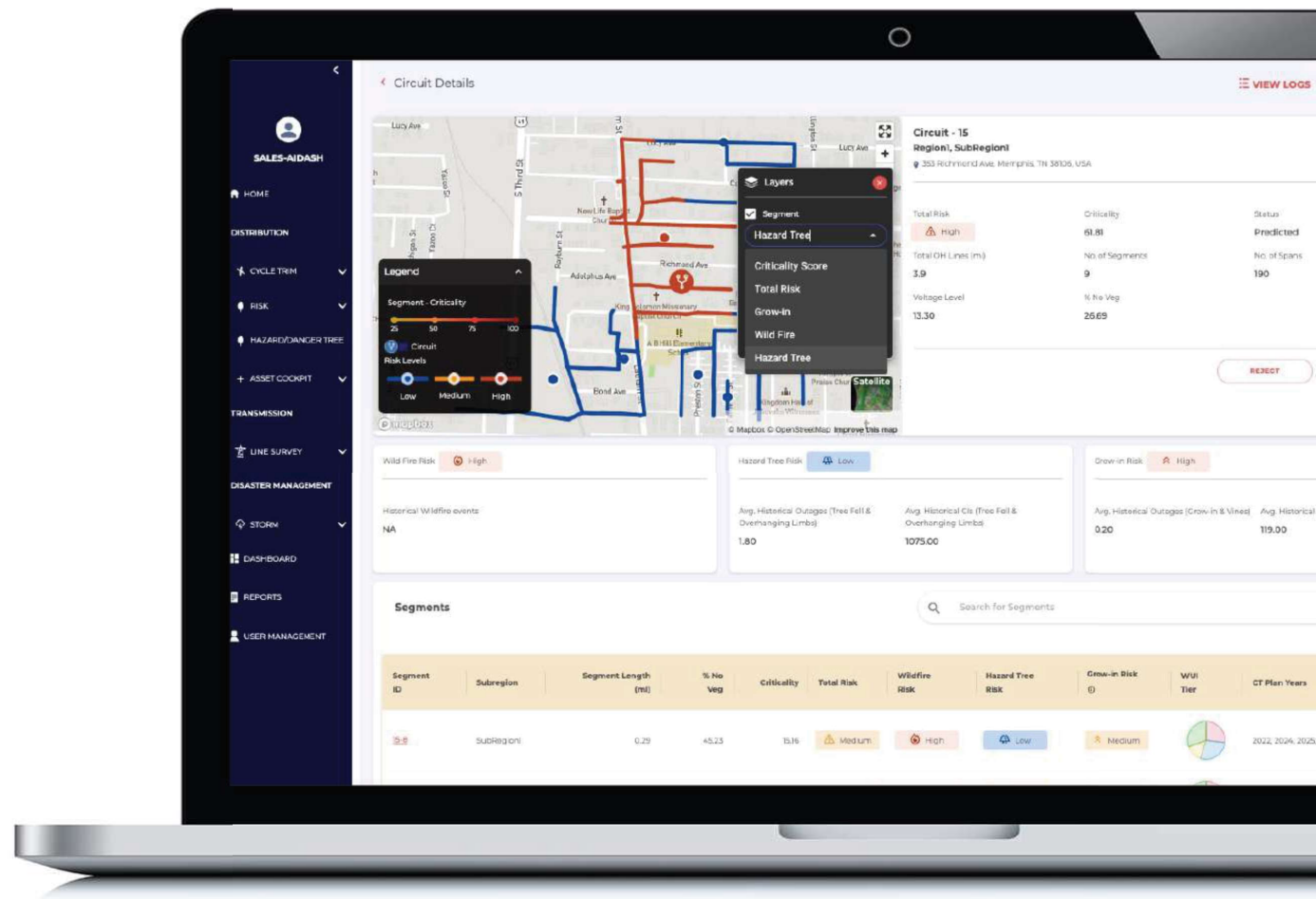### Reports, dashboards & customizations

Line Clearance Module

- Cycle trim planning
- Hot-spotting / Mid-Cycle Trim
- Pruning Prioritization
- Vegetation Density Analysis
- Floor Work Identification
- Work/ Equipment Type Identification

Hazard Tree Module

- Proactively Identify Hazard Trees
- Quantity Hazard Tree Risk
- Identify areas of high impact
- Circuit, Segment, and Span Level Risk Analysis

Remote Survey Module

- Transmission line survey
- Suggested Actions
- Regulatory reports

Work Management Module

- Contractor management
- Bid pack creation
- Work orders and assignment
- Work prioritization & scheduling
- Mobile application for field notes and collaboration
- Interactive dashboards to help manage contractors
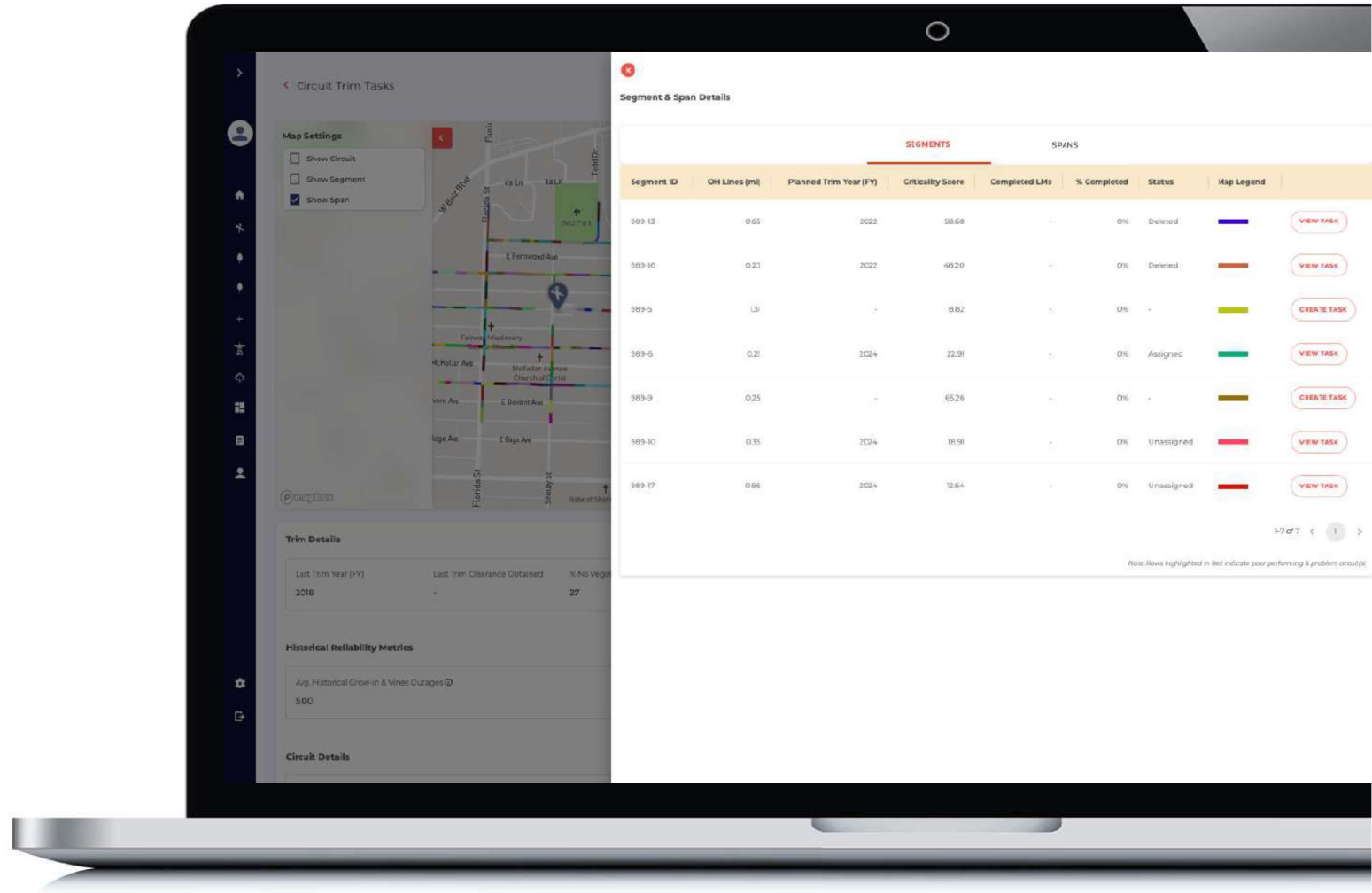
Budget Planning Module

- Budget allocation & prioritization
- Scenario-based budget planning
  - Scenarios based on impact to reliability indexes, veg-related outages, customer interruptions, and volume of work
- Accurately estimate vegetation management expenses
- Contractor spend optimization
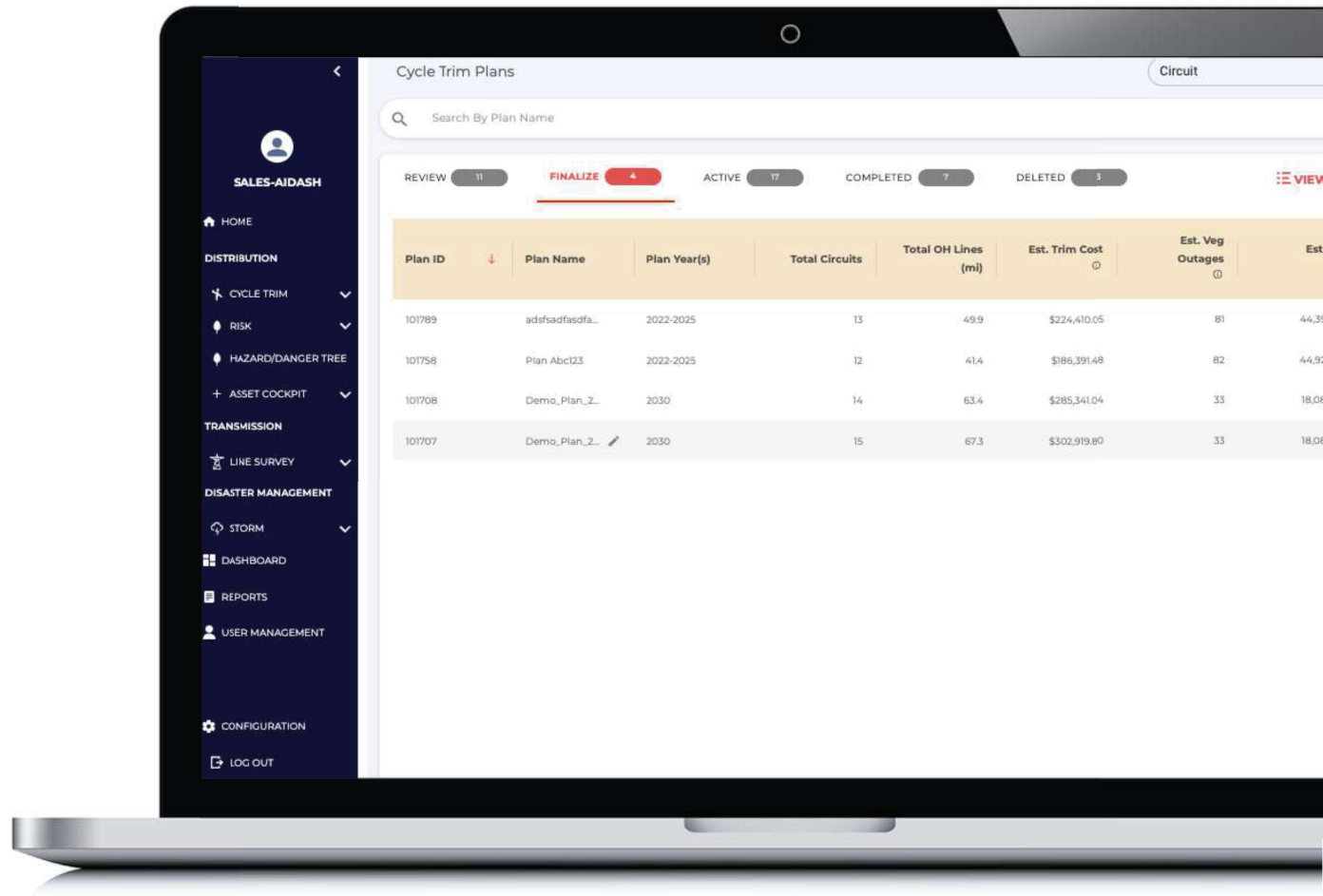
Herbicide/ Tree Growth Regulator (TGR) Efficacy Analysis

- Measure herbicide kill rates with multispectral analysis
- Change detection analysis from several years to measure TGR efficacy
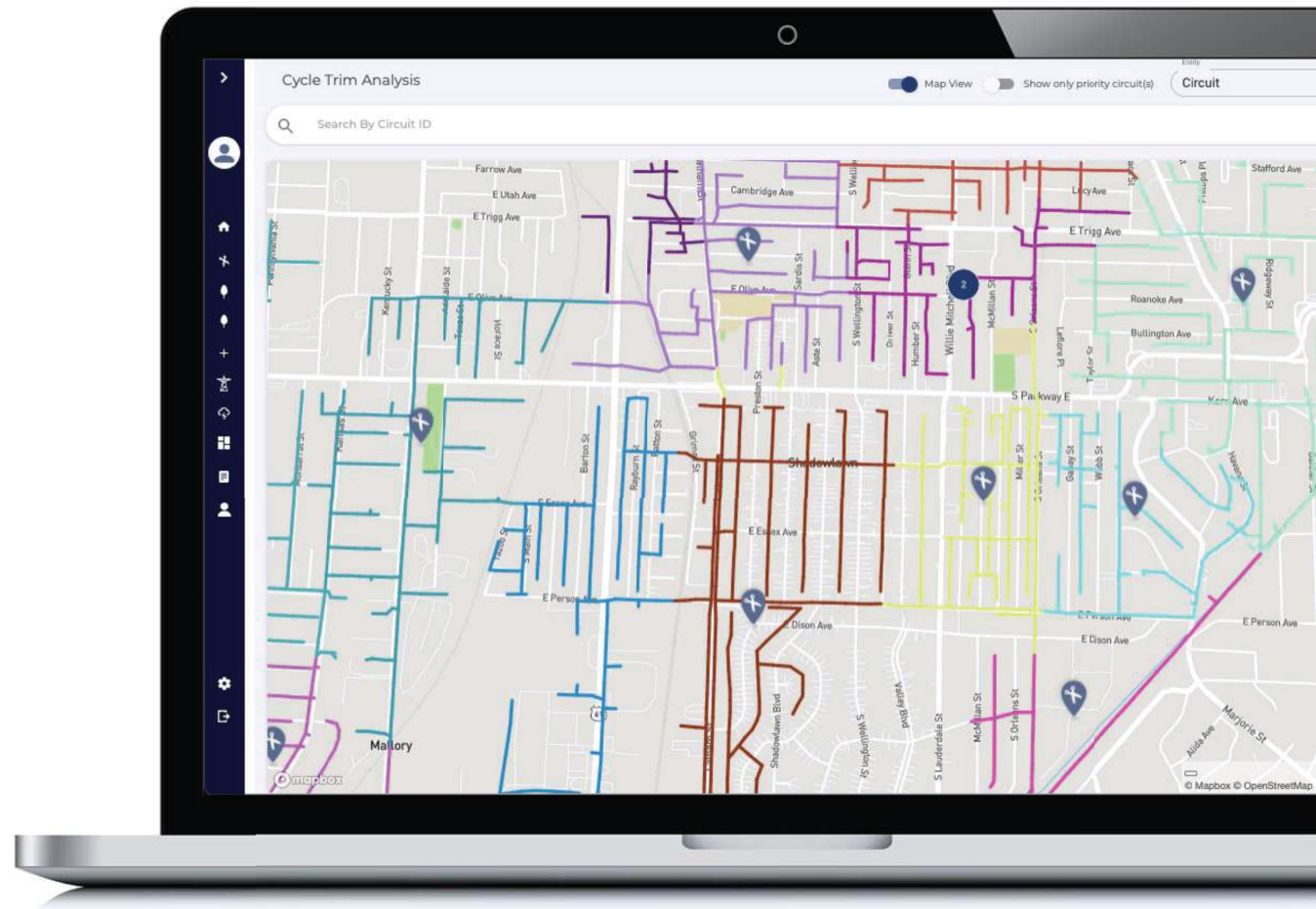
Wildfire Risk Mitigation Module

- Identify Vegetation-related ignition points
- Measure Impact
- Spread analysis, identifying fire breaks
- Quantify Wildfire Risk
- Plan wildfire mitigation activities with this analysis
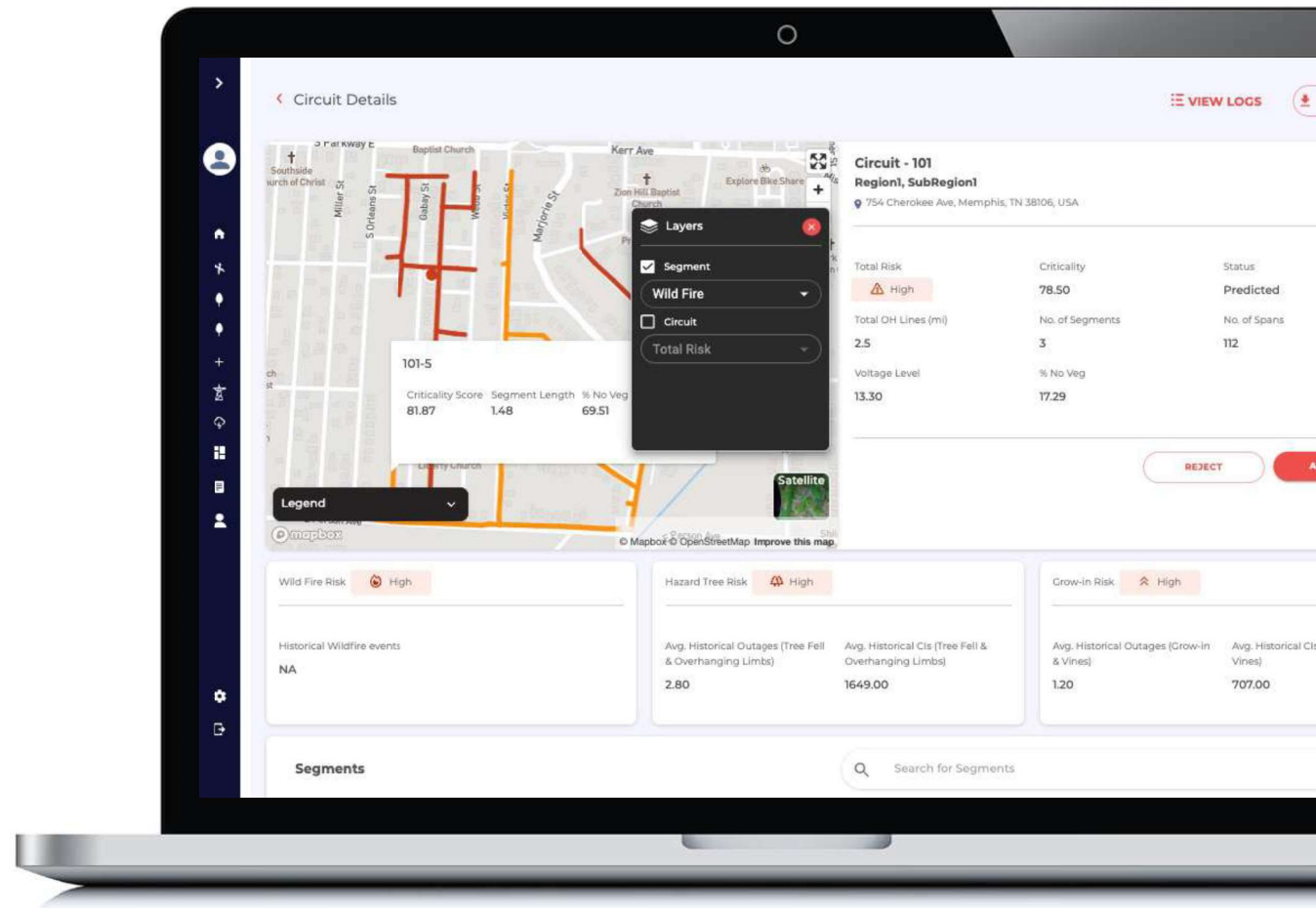
Reports, dashboards & customizations

- Creation of custom reports and dashboards
- Customize based on region
- Work Type
- Hazard Tree Tasks
- Cycle Trim Tasks
- Tasks Status
- Clearances
- Contractor allocation
- Spend analysis

Execution Plan

Data acquisition

- Enterprise / customer data gathering & cleanup
- Shape file correction
- Satellite data acquisition

IVMS setup & configuration

- Model(s) configuration
- Model(s) run
- Field validation
- Model(s) re-configuration / tuning
- IVMS setup, configuration, customization

Run & Test

- IVMS go-live
- Ongoing IVMS usage
- Training

Pilot Completion

- Result analysis & review
- RoI analysis
- Conclusion & next steps

Exhibit B

SCHEDULE 1
Software as a Service (SaaS) DESCRIPTION

Capitalized terms used but not defined in this Schedule 1 have the meaning given to those terms in the Agreement.

A. DESCRIPTION OF SERVICES AND SPECIFICATIONS

The provider shall provide the Customer, access to its proprietary SaaS product(s) and module(s) as specified below:

1. **Product/Tool:** AiDash Intelligent Vegetation Management System (IVMS) for electric power distribution & transmission lines. *SaaS version*

2. **Mobile Application Deployment/ Instance:** The latest standard mobile application version can be downloaded from the relevant app store (iOS and/or Android).

3. **Modules:** (this may vary depending on whether distribution lines, transmission lines or both are in scope of implementation or depending on what modules customer requests):
   i. Distribution Cycle Trim Module (e.g., predicted trim years
      a. Predicted Trim Year (circuit & sub-circuit analysis)
      b. Criticality Score
      c. Derived metrics (e.g., total effort index, % of network with no vegetation within a specific distance of conductor, etc.)
      d. Work Planning/Optimization
      e. Bid Packet Creation
      f. Task Assignment & Progress Monitoring
      g. Work Type Identification (e.g., bucket trim, backlot trim, mechanical/off-road)
   ii. Distribution Risk Module
      a. Grow-in Risk (inside ROW)
      b. Hazard Tree / Fall-in Risk (inside ROW and outside ROW)
      c. Criticality Score
      d. Work Planning/Optimization
      e. Task Assignment & Progress Monitoring
   iv. Standard Reports
   v. Field Mobile App (iOS and/or Android)
   vi. Wild Fire Risk Module

4. **Support**: Base support 9 AM – 5 PM US Eastern time (Monday – Friday) on all official working days in US is included in the SaaS fee.

5. **Usage Limitations** (additional usage will incur additional fee):
   i. Total line miles included (Distribution): 210

   iii. Unlimited users shall be granted access to the system

6. **START DATE:** ~~05-01-2023~~ 6/1/2023

7. **Period of Service (Term)**: Customer can choose one of the following 3 terms:
   i. **One year term**: _____
   ii. **Three-year term**: _____X