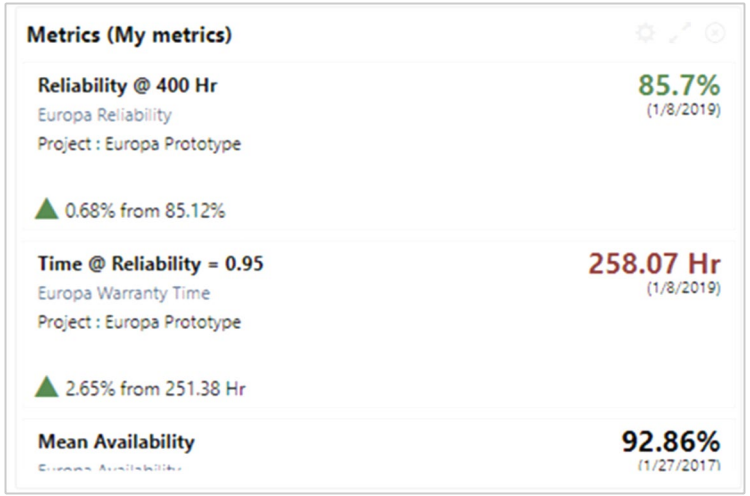
ReliaSoft SEP

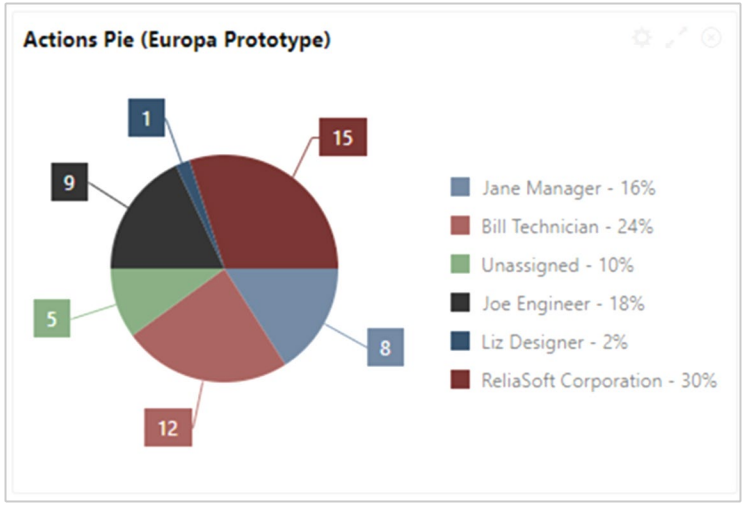
WEB PORTAL FOR RELIASOFT APPLICATIONS

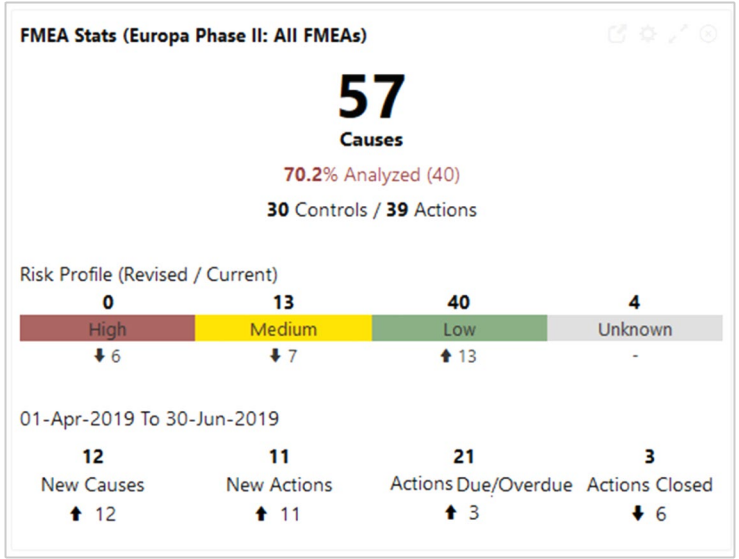
What is ReliaSoft SEP?

SEP is a web portal for analyses performed in ReliaSoft applications

- Monitor KPI metrics
- Web access to FMEA stats, queries and data
- View results from Weibull++, BlockSim and other reliability analyses
- Drill-down to full details in desktop apps
- Track and update assigned actions







Who needs to use SEP?

Managers

- Track KPIs, reports and status of assigned actions
- Monitor progress on FMEAs and sign off on completion
- Monitor results from other reliability analyses

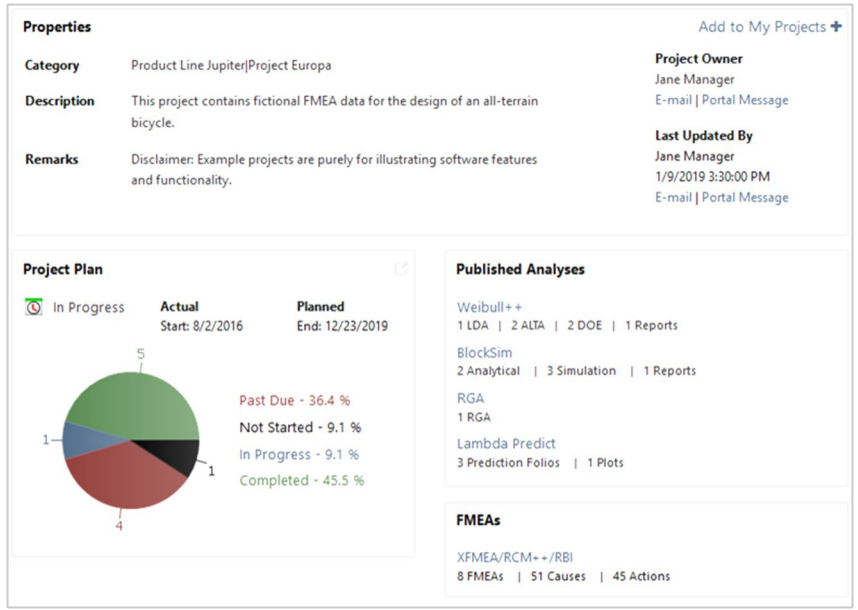
Engineers (ReliaSoft Desktop Users)

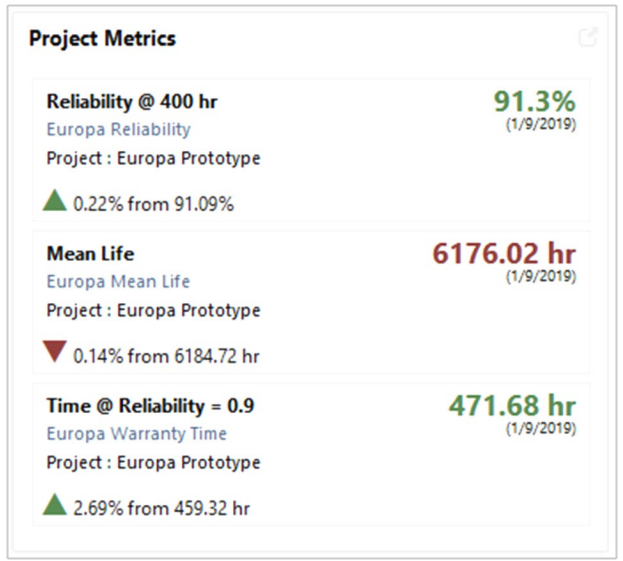
- Share your own results and stay up-to-date on analyses performed by others
- Convenient mobile access when you need to present findings or update your assigned actions

Entire Organization

- Access lessons learned from FMEAs
- View results from reliability data analyses and simulations
- Update your assigned actions without having a ReliaSoft desktop application installed

Share reliability analysis results throughout the organization





Challenge: Individual analysts are performing a variety of reliability studies, but the latest results and metrics are not accessible to colleagues who don't have the software installed

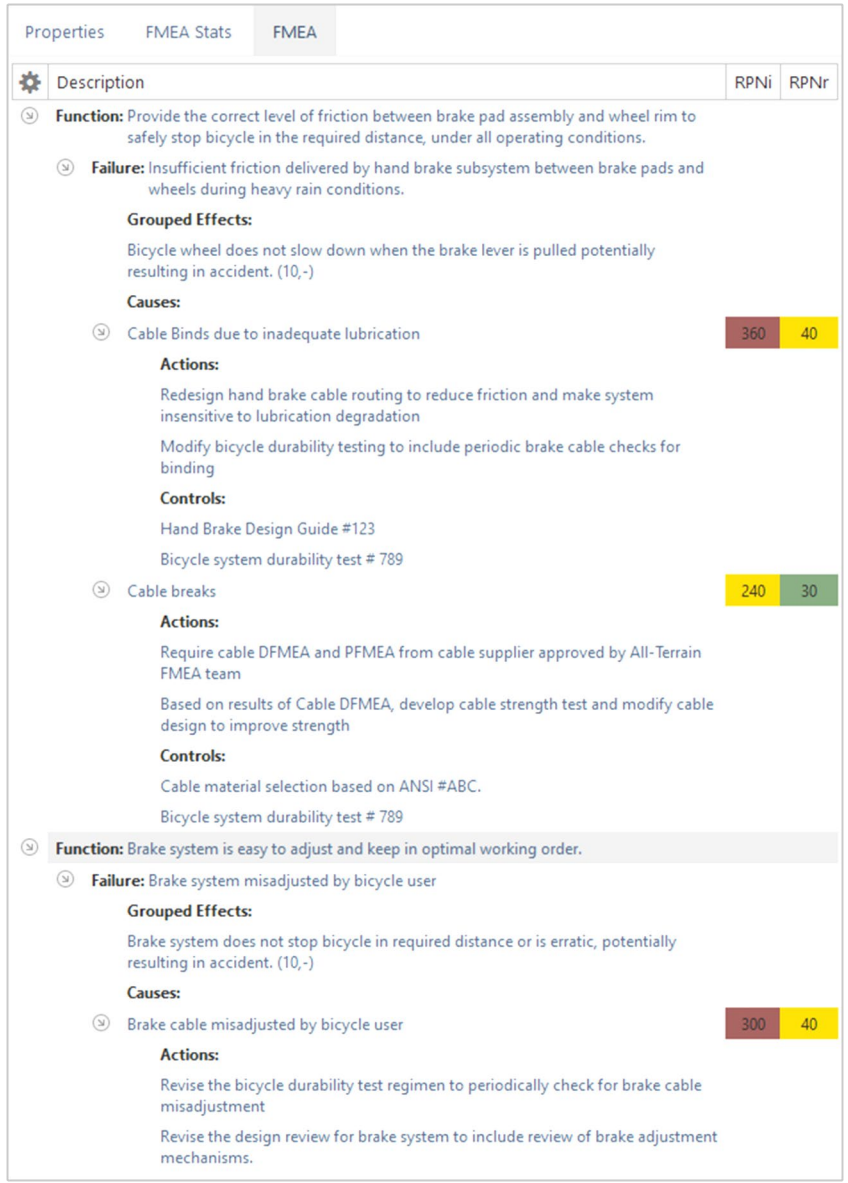
Solution: SMEs use **Weibull++, BlockSim, Lambda Predict, XFMEA** and **XFRACAS** to perform the analyses

Managers and others use **SEP** to view selected results, reports and dashboards via any web-enabled device

Value: Facilitates collaboration between different areas of expertise

Shares reliability analysis results throughout the organization

Share FMEA lessons learned throughout the organization



Challenge: Your organization makes a significant investment to perform FMEAs, but the valuable lessons learned are not easily accessible to all personnel who need the information

Solution: FMEA teams use **XFMEA** to perform the analysis

Managers and others use **SEP** to view and query the most up-to-date analyses

Value: More effective knowledge sharing leads to better products and better customer service

Potential cost savings when you implement **XFMEA** with **Prenscia Access** and **SEP**

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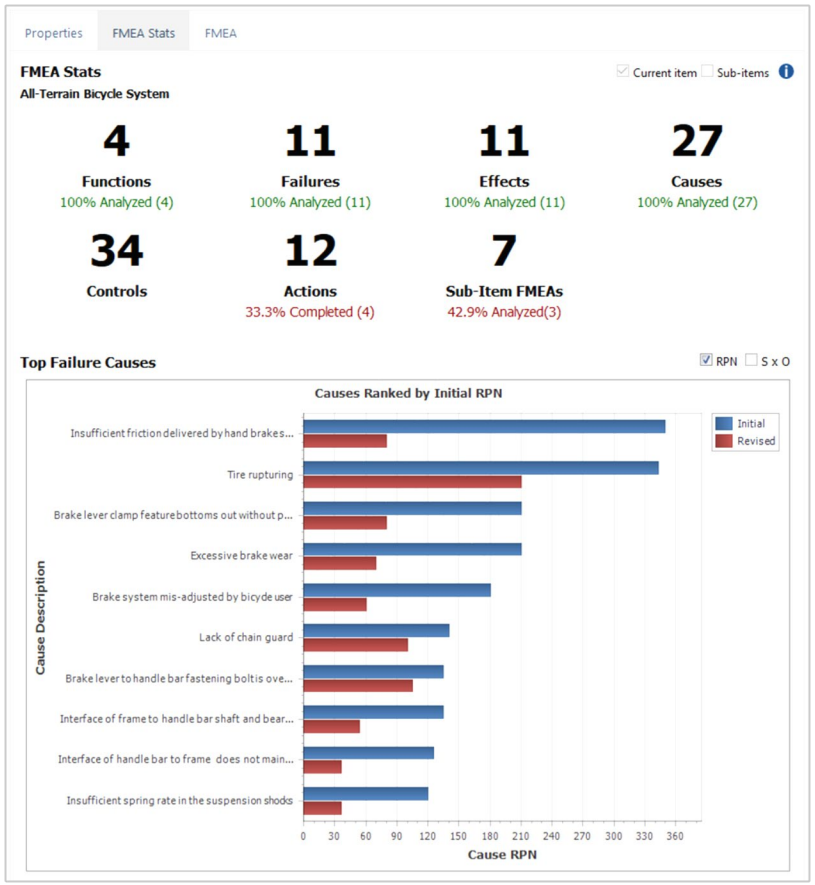
Managers track progress from multiple FMEA teams



Challenge: Your organization has multiple teams working on different FMEAs and managers need to stay up-to-date on the potential risks, assigned actions and whether the analyses will be completed on time

Solution: FMEA teams use **XFMEA** to perform the analysis

Managers use **SEP** to review summaries and sign off on completed projects via any web-enabled device

Value: Convenient tools to monitor progress leads to better program management

Effective management of FMEA activities leads to improved designs and less risk

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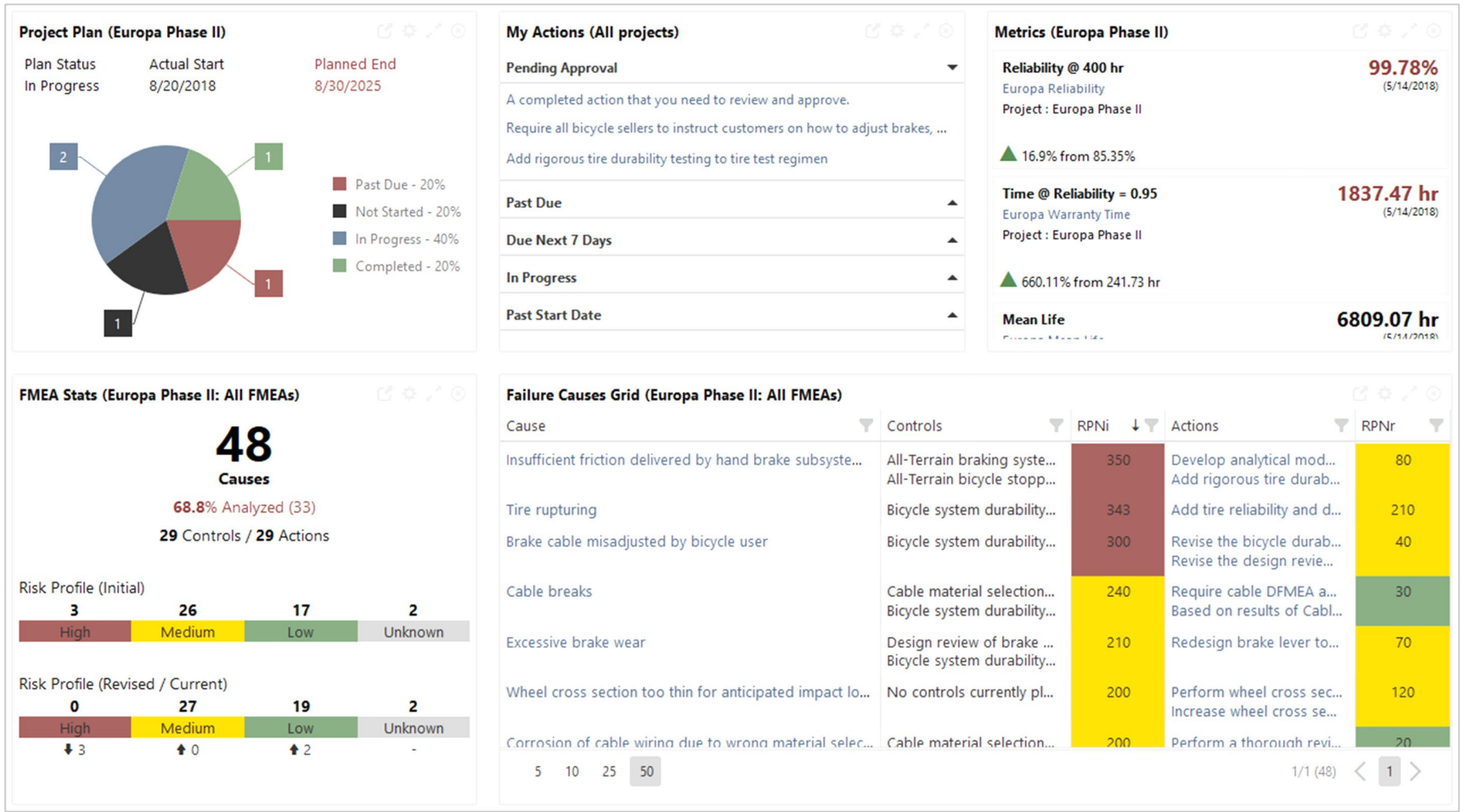
Web dashboard for reliability analysis

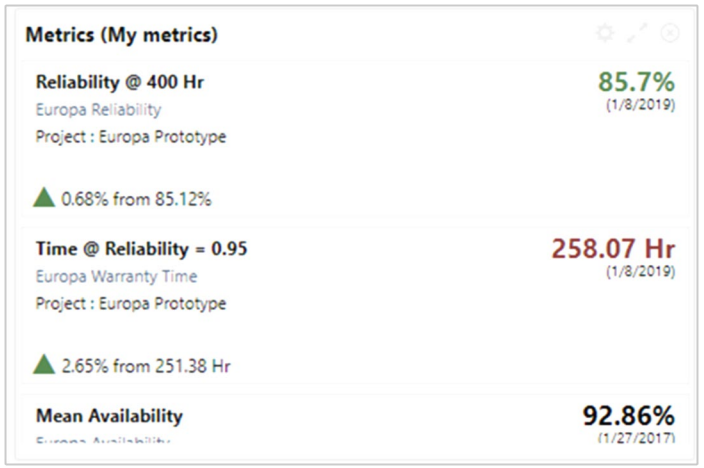
Web dashboard

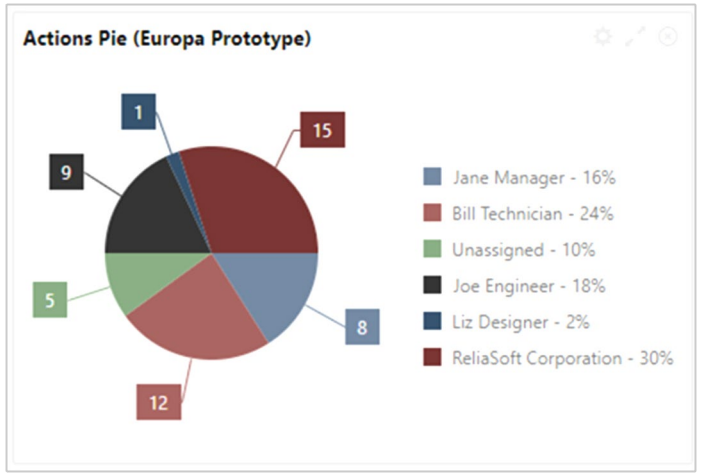
- Personalized home page features a configurable, at-a-glance **web dashboard** for the reliability metrics, FMEAs, actions and reports you're tracking in SEP

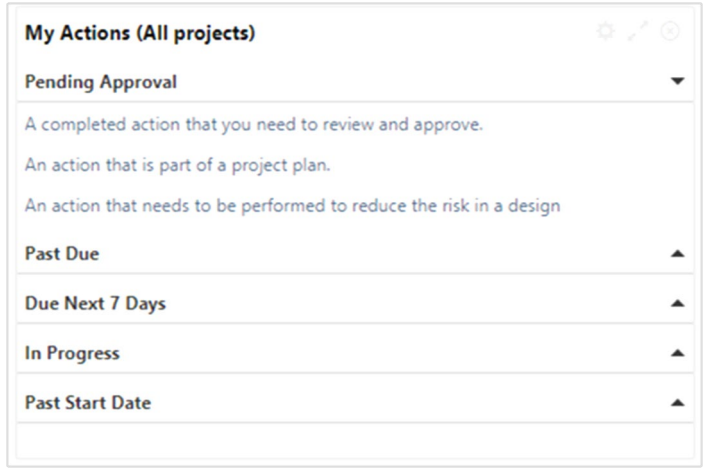


Dashboard tiles – KPIs and actions

- **Metrics** – track key performance indicators such as Reliability, Mean Life, Warranty Time or Expected Failures
- **Actions Grids and Pie Charts** – track assignments based on completion status, due date or person responsible
- **My Actions –** quick access to the pending actions that are relevant to you
- **FRACAS Incidents and Actions** – monitor unclosed incidents and open actions in XFRACAS where you are the owner

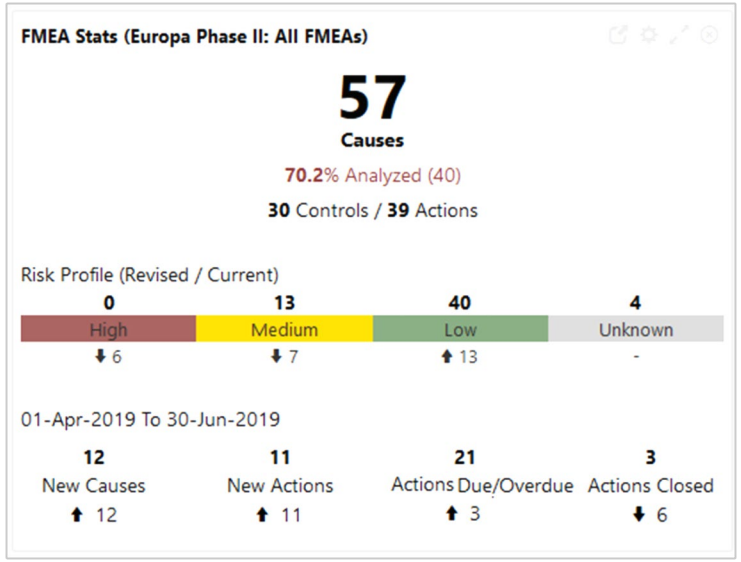


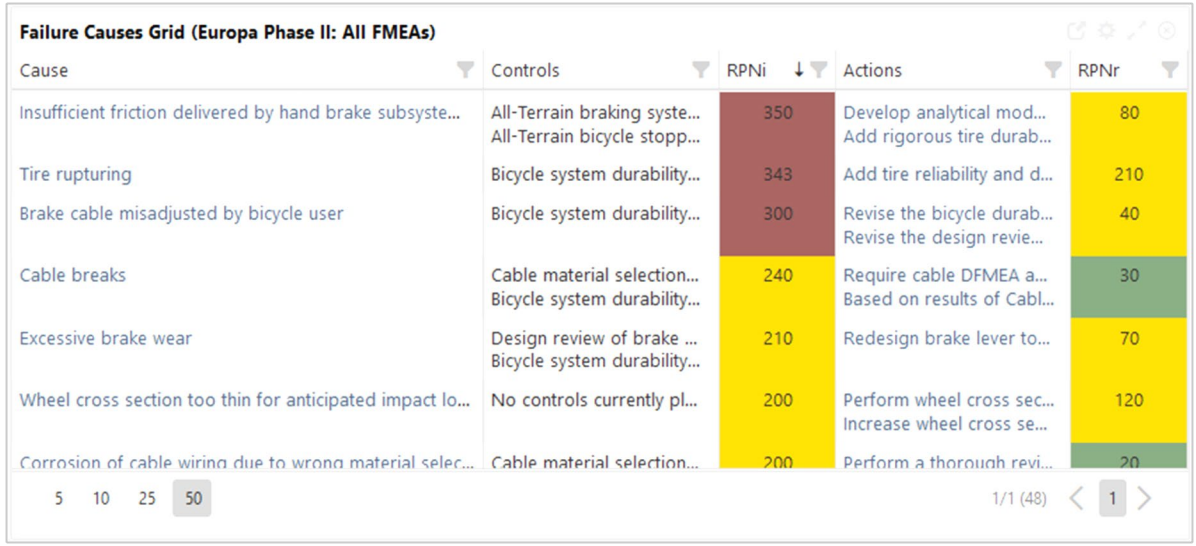




Dashboard tiles - FMEAs

- **Failure Cause Grids** – prioritized list of potential failure causes with the controls and actions that mitigate the risk
- **FMEA Stats and Grids** – at-a-glance metrics for an FMEA or combined from a group FMEAs, such as:
  - Record counts and % analyzed
  - Risk profiles and % reduction in RPN
  - New risks and actions in a specified time period (this quarter, last 30 days, …)

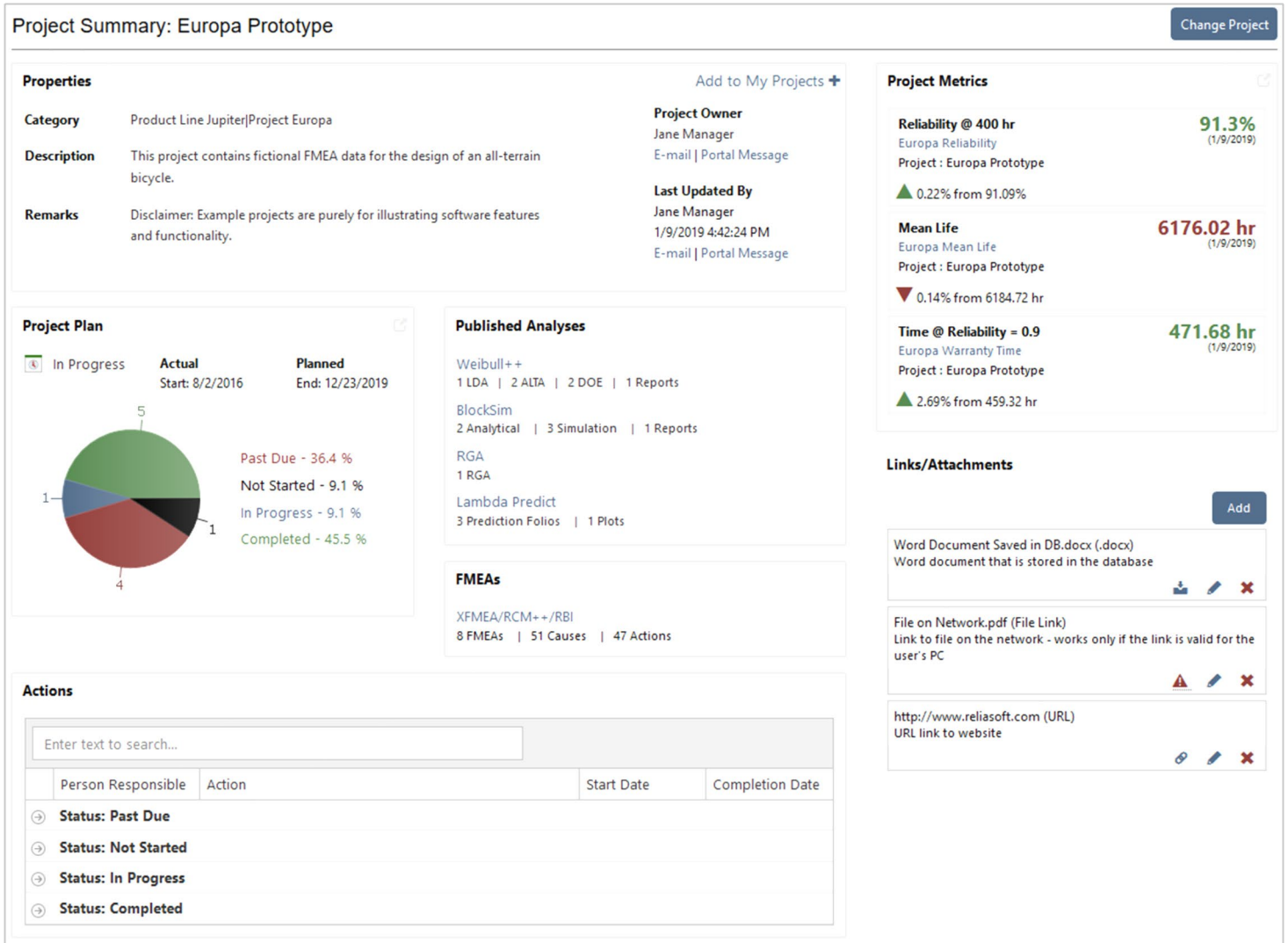




Reliability analysis summaries, metrics and reports

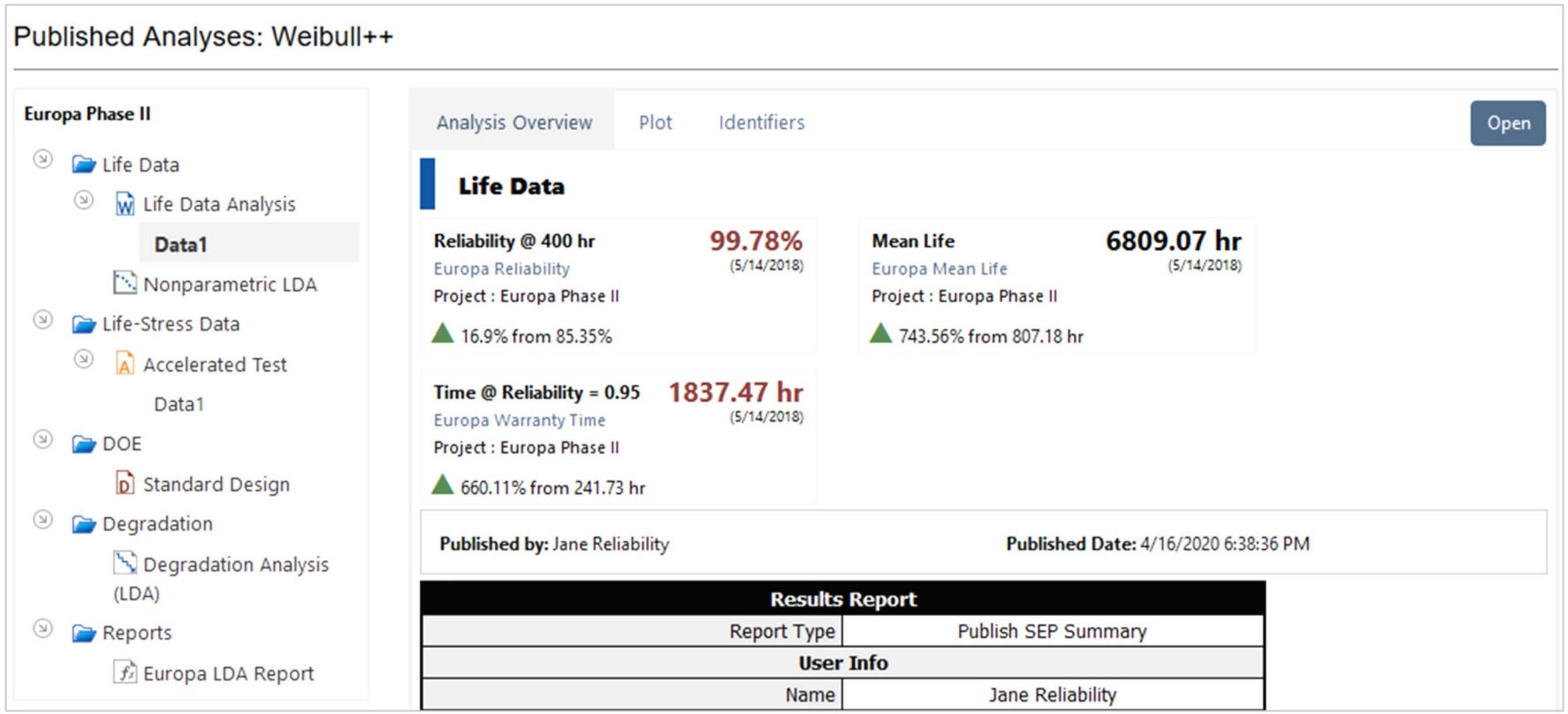
Project summaries

- At-a-glance summaries for ReliaSoft analysis projects you have permission to view



Published analysis summaries, reports and metrics

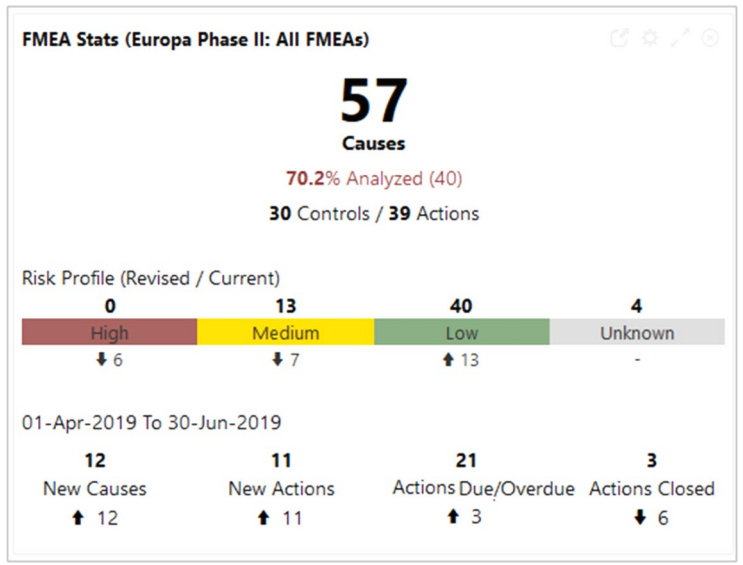
- For reliability analyses performed in **Weibull++**, **BlockSim** or **Lambda Predict**, analysts can decide which results and metrics to make available via the web

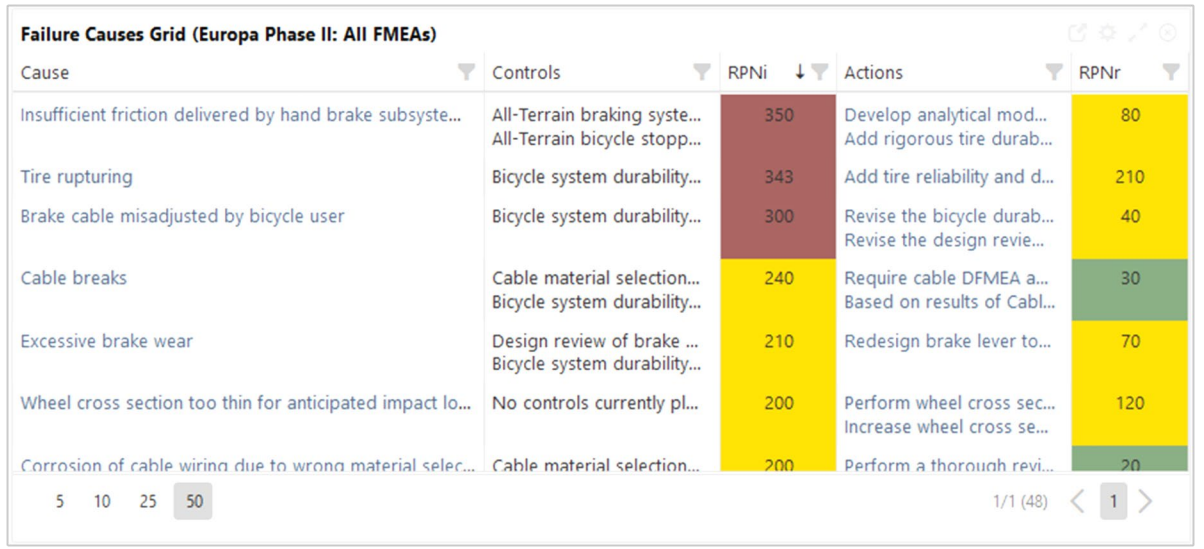


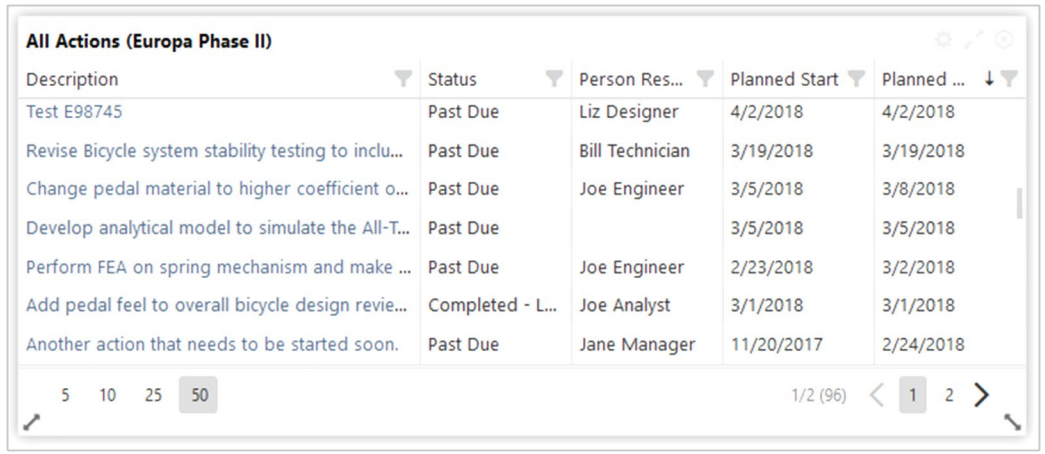
Track FMEA progress and share lessons learned

FMEA dashboard tiles

- Configurable dashboard tiles help to monitor potential failure causes identified via FMEAs and track progress on assigned actions that will mitigate the risk





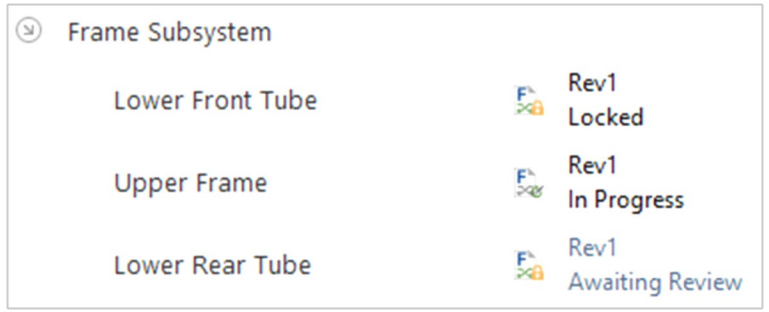


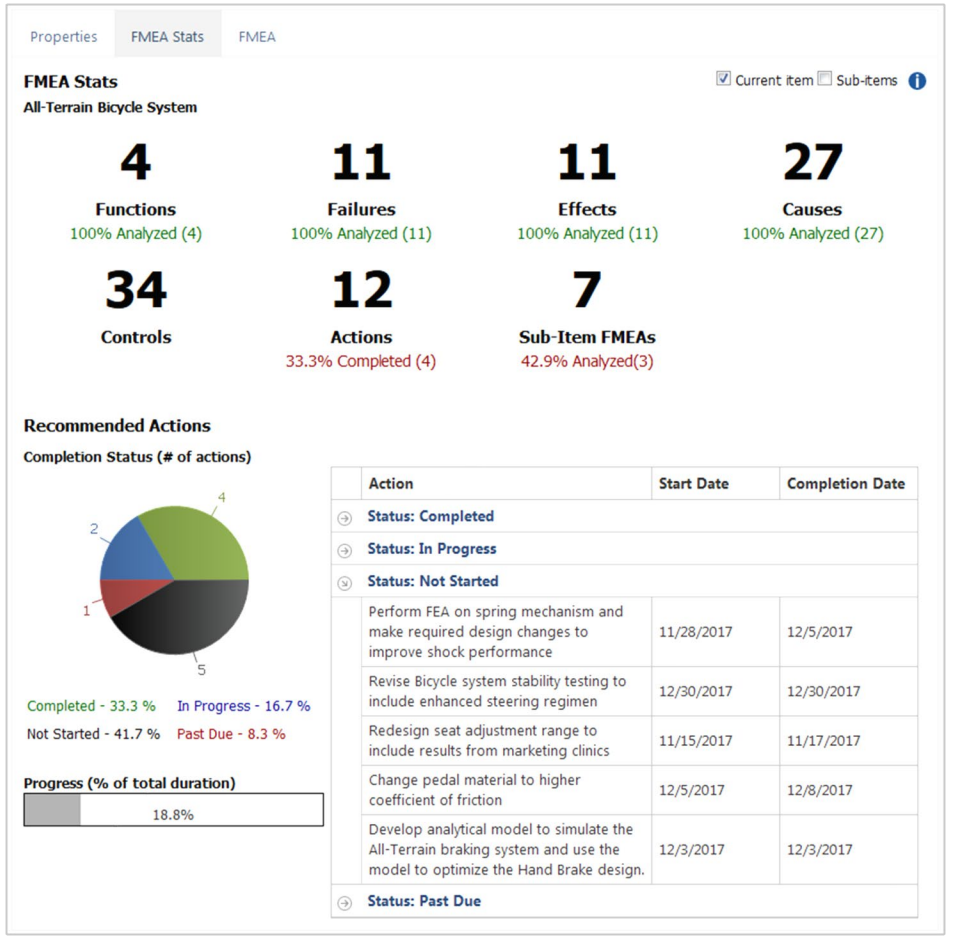
Web summaries for FMEAs

- Convenient web summaries help managers and others track progress for each FMEA

- Key stats and charts at-a-glance:
  - # of functions and failure causes, with % analyzed
  - Top failure causes
  - Assigned actions, with % complete

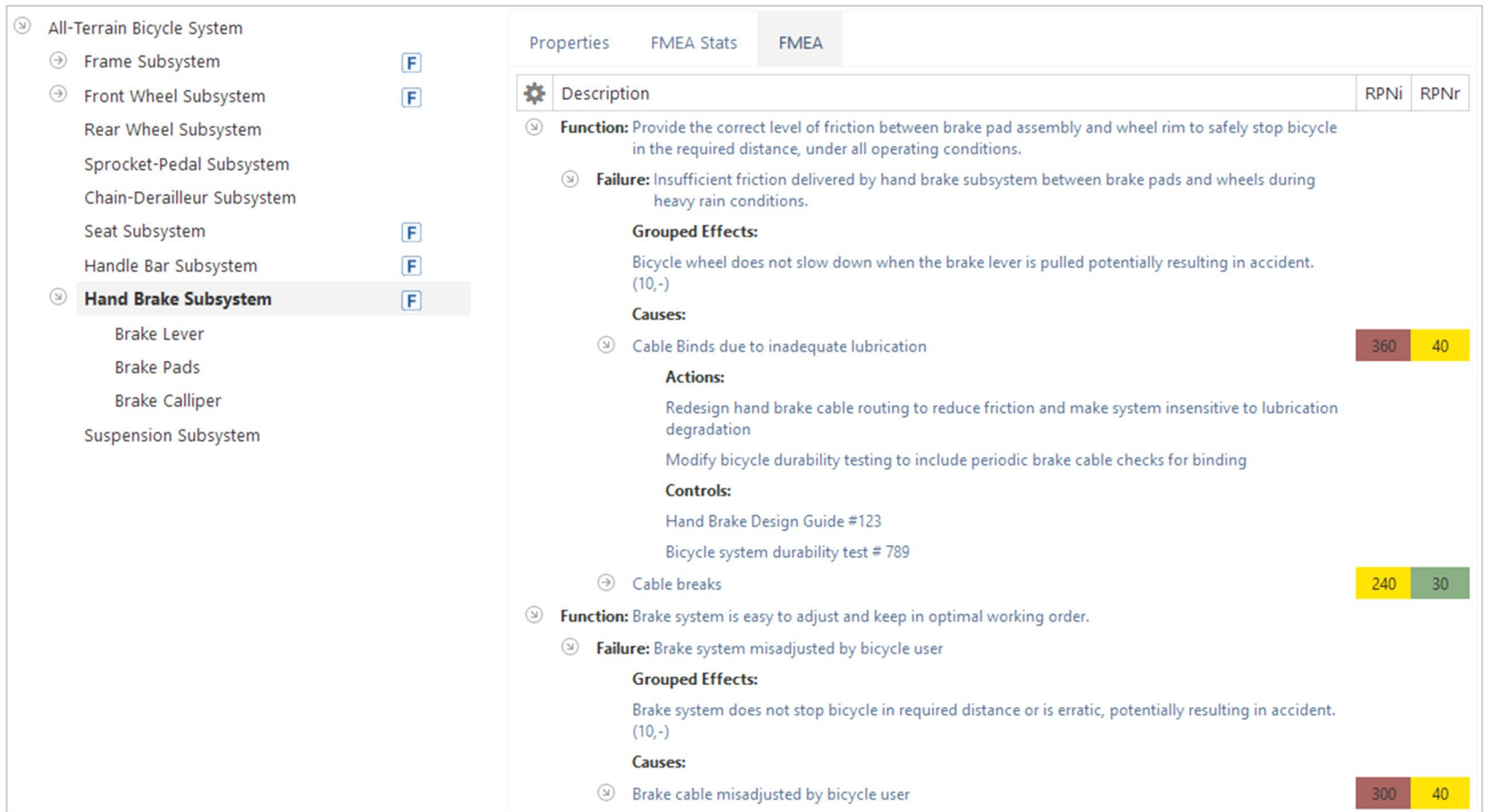
- Approve change log versions via any web-enabled device





FMEA hierarchy

- Colleagues throughout your organization can view the latest FMEAs without a desktop application installed
- View full properties for all FMEA records

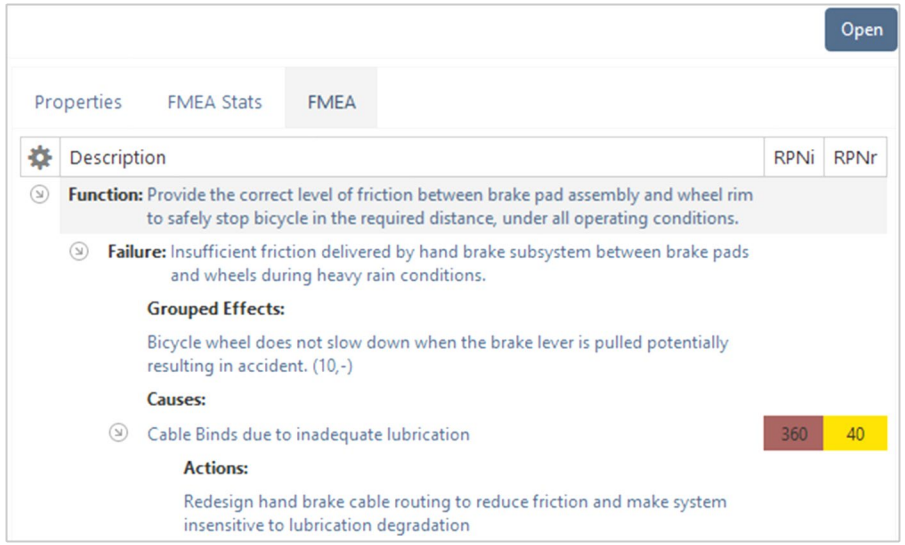


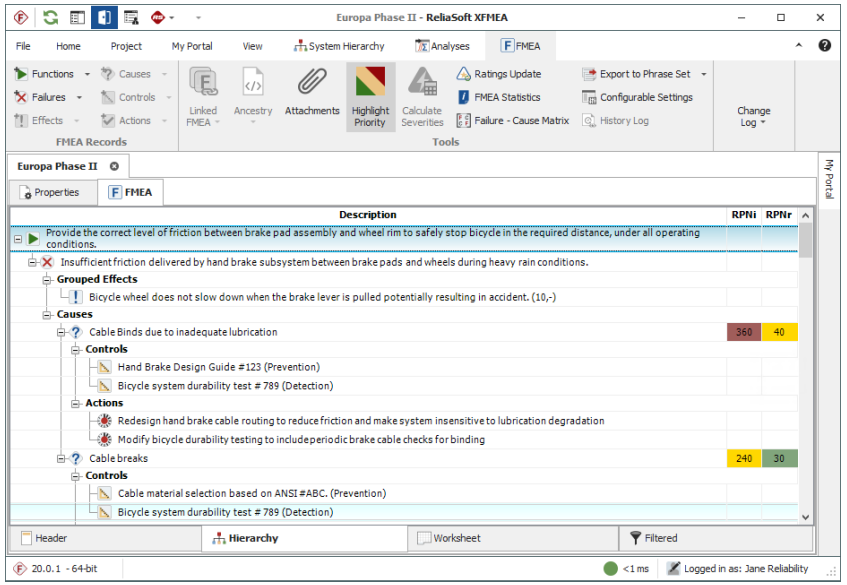
Drill down to the full analysis

- SEP makes it easy to open the full analyses in ReliaSoft desktop applications
- If your site is configured for **Remote ReliaSoft**, users can launch the applications on a remote server without having to install and update software on each client computer

Remote ReliaSoft – Requirements

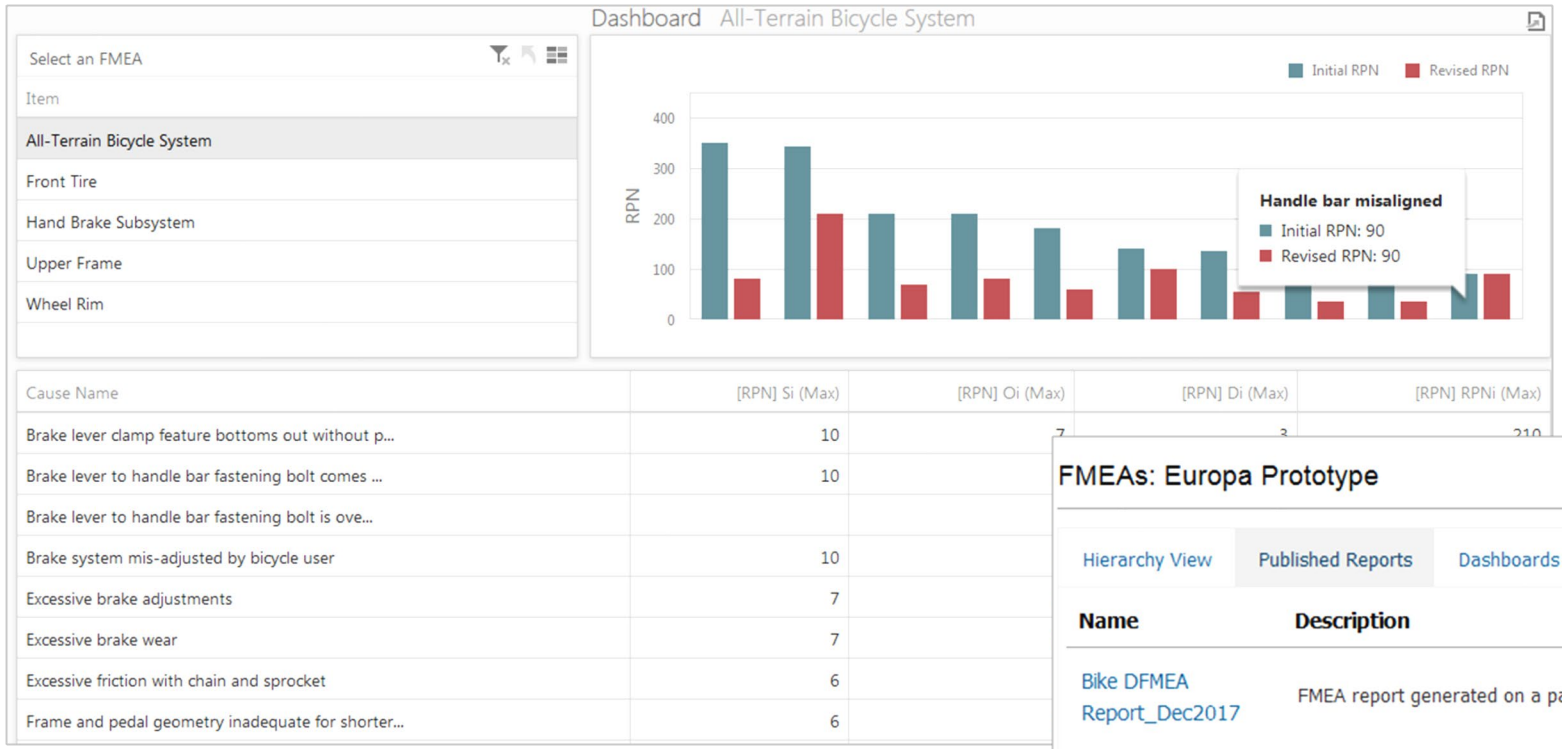
- At least one Windows server with Microsoft Remote Desktop Services (RDS)
- Sufficient RDS license seats (purchased from your preferred Microsoft vendor)
- ReliaSoft applications installed on RDS servers – token-based or floating license is recommended
- IT support to set up and maintain RDS servers

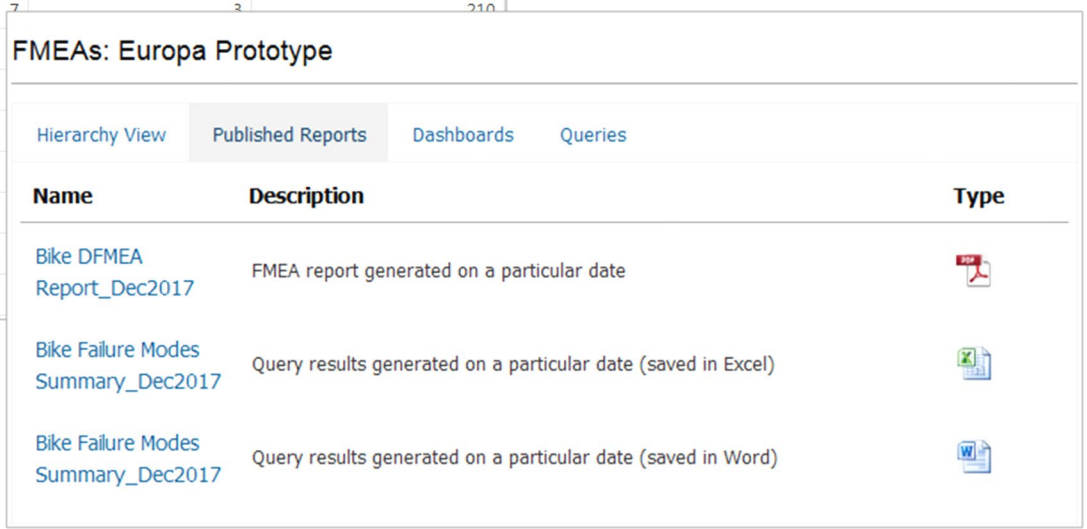




Web access to finalized report documents and desktop dashboards

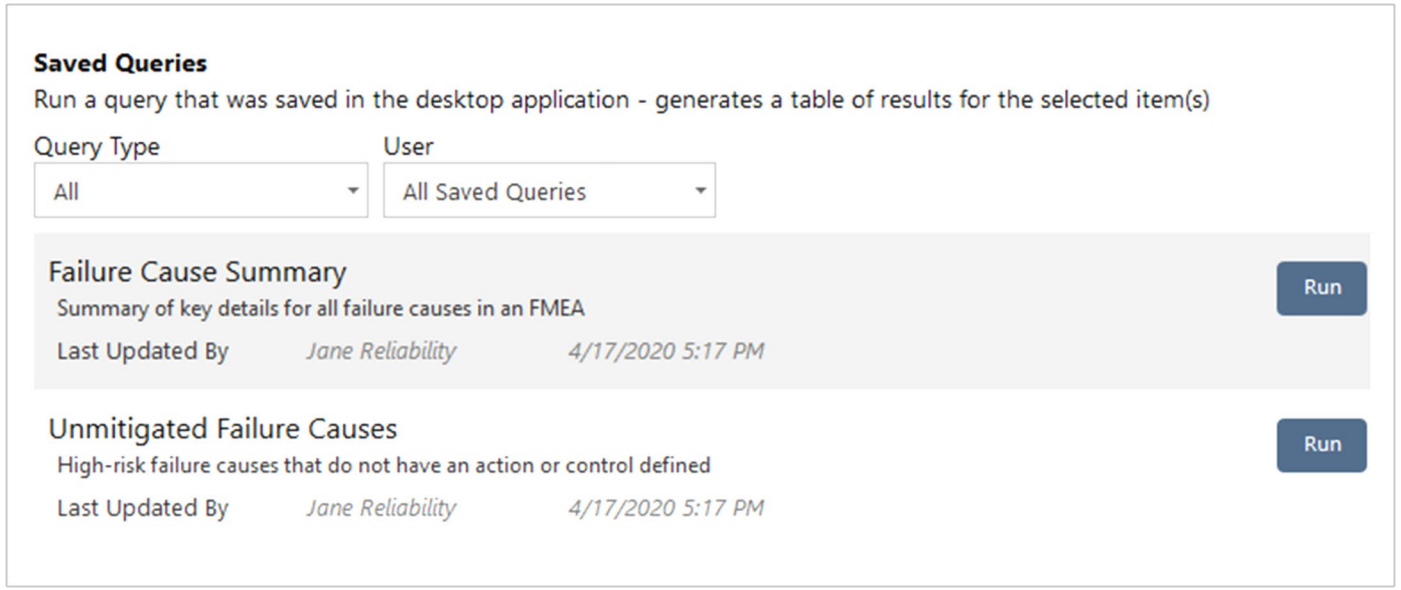
- View or download finalized report documents that are saved with the project
- View custom reports created with the desktop app's built-in dashboard tool





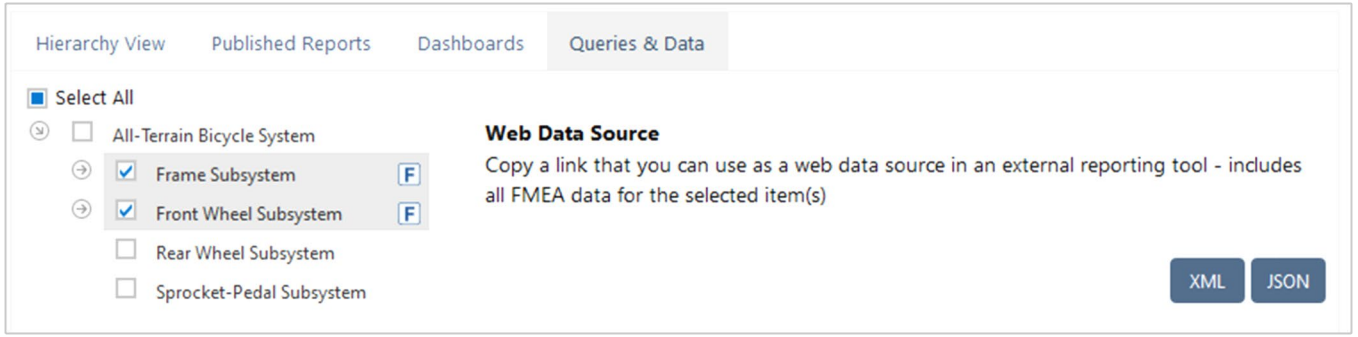
FMEA queries

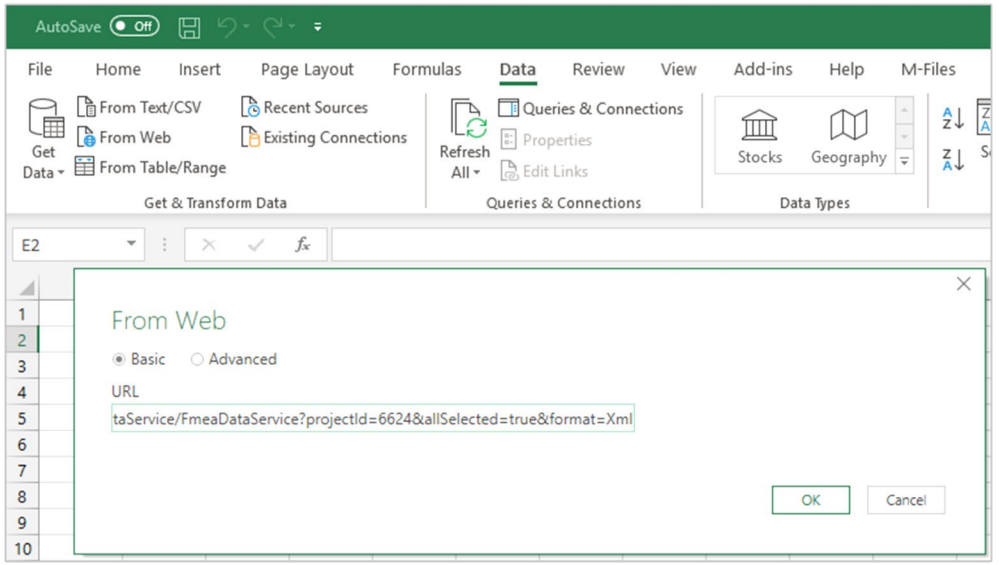
- Queries provide enormous flexibility to get customized output based on the latest data from any FMEA, such as:
  - Actions that are incomplete
  - Effects with high severity
  - Failure causes with high risk (and no controls or actions to mitigate)
- Run saved queries via the web for any FMEA or group of FMEAs
- Download results to Excel



FMEA web data source for external reporting tools

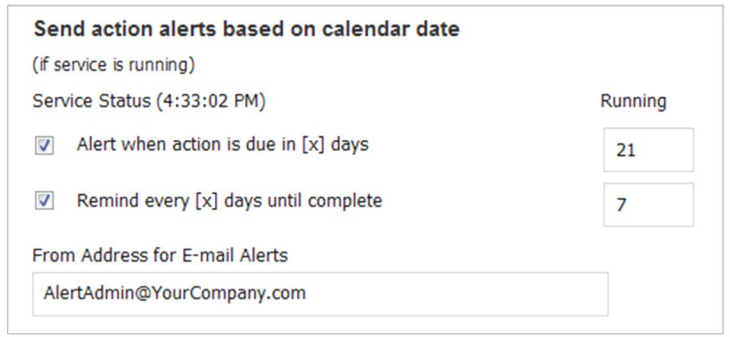
- SEP offers a web service that returns all data for a selected FMEA or group of FMEAs
- If you have a specialized reporting need that is not directly supported, you can use SEP as a web data source in an external reporting tool such as Excel or Power BI

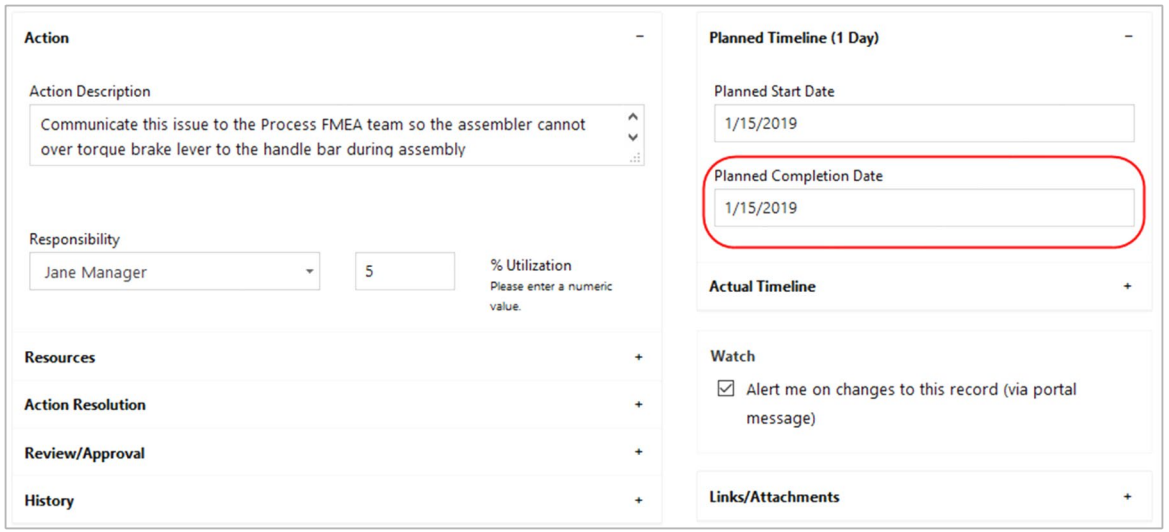




Service triggers alerts based on action due date

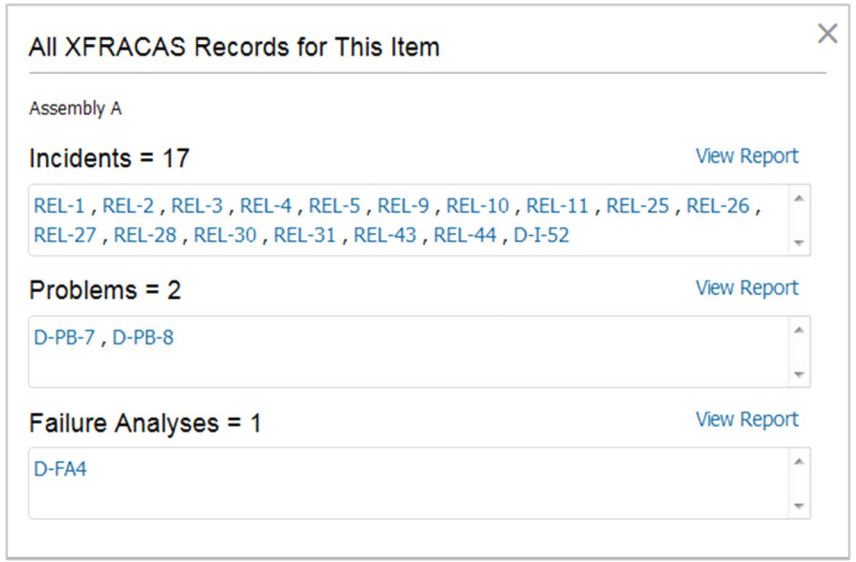
- ReliaSoft desktop applications can send alerts when an action is **created**, **modified** or **ready to be reviewed**
- If the service is running on the SEP web server, it can trigger additional alerts based on the **action due date**
  - Send an alert __ days before the action is due
  - Then send a reminder every __ days until the action is complete

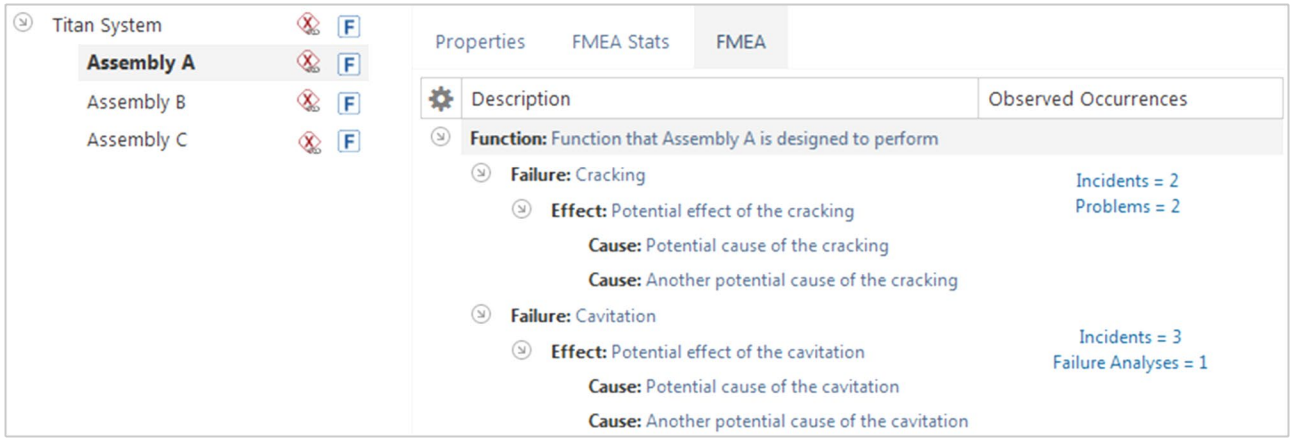




Link to field failure data in XFRACAS

- Utilizing FRACAS data when performing FMEAs saves time and leads to more effective risk assessment
- SEP makes it easy to view field failure reports in XFRACAS
  - Same “observed occurrences” quantities that are available in desktop applications
  - In addition, the website links to all FRACAS records that may be relevant for a part

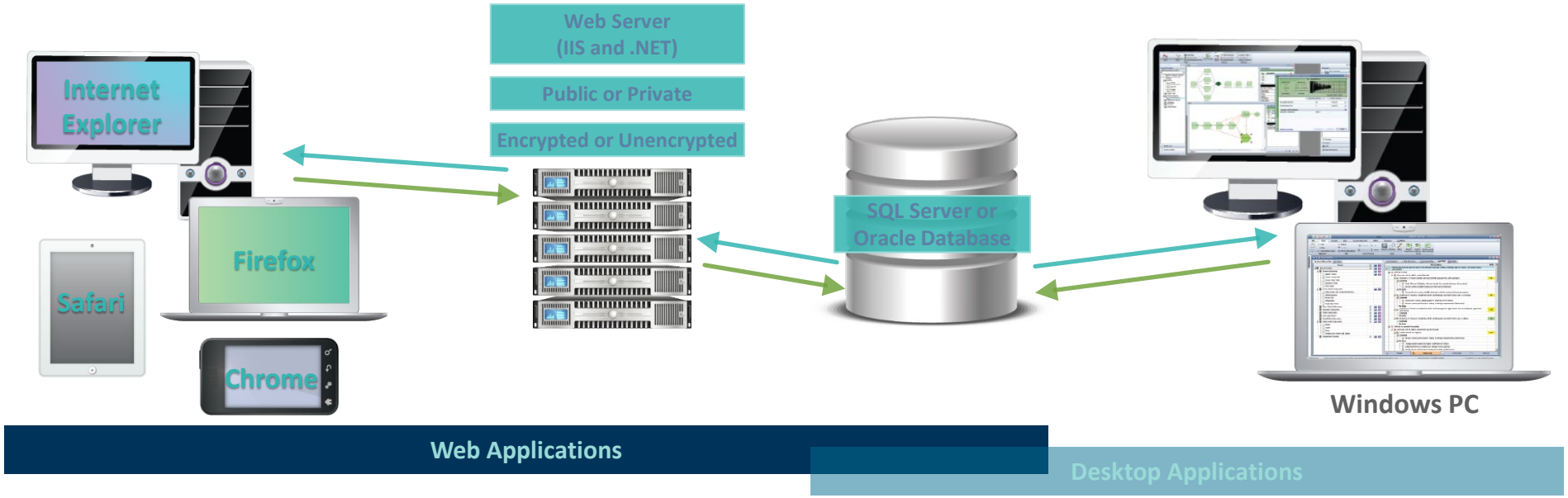




- View FMEAs across an organization using a web browser
- Track progress on completing assigned actions
- Access reliability analysis results from any web-enabled device

What's required to implement SEP?

- A ReliaSoft enterprise repository (on Oracle or SQL Server)
  - Analysis data from any or all of the ReliaSoft applications (XFMEA, Weibull++, XFRACAS, …)
- A Windows web server with IIS and .NET*
- IT support to:
  - set up and maintain the website
  - maintain the database and enable users to connect



* For minimum versions, please consult the latest implementation guide

Thank You

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SEP