



Katapult Pro

Real-time engineering tools
for overhead utilities

Simpler, Smarter, Safer Solutions that raise the quality of life for
Americans by ensuring reliable access to power and telecom utilities.



Katapult Engineering is a software development firm focused on bringing **reliable utilities to people through engineering SaaS and services.**

Since 1991, we have wrestled with our clients' and partners' biggest pain points to understand and solve the toughest challenges in the industry.

We look forward to helping your team reach your goals and leave a lasting impact on the communities you serve.

Product Components & Features

Designed to improve data collection, engineering design, and workflow management, Katapult Pro tackles the core challenges of the distribution industry so you can meet and exceed your goals.





GIS Map Base

Tie design elements, photos, and engineering design to true geolocations on the map—all automatically.



Real-Time Cloud Database

Work together in a dataset that always represents one version of truth. Share projects with partners and clients with the click of a button. View and make changes in real-time from anywhere.



Industry-Leading Design Tools

Leverage pole loading analysis, make ready violation flagging, and 3D modeling tools for informed engineering designs.



Measurable Photos

Capture existing and proposed conditions to the real pole and attachments in question. Host virtual rideouts to resolve disputes and discuss defensible data.



Hosted Utility Standards

Maintain your quality of work and construction specifications across vendors and applicants in your footprint.



Configurable QC

Check your work at the click of a button and build workflows that allow your people to quickly fill in the gaps or fix mistakes.



Editable Models

Leverage endless customization of attributes, map styles, deliverables, and workflows to serve current and future customers.



Custom Attributes

Quickly add new data types, picklists, tables, and more to populate photo and map data.



Out-of-the-Box and Custom Deliverables

Provide web, photo, map, and spreadsheet deliverables at the click of a button, or work with our team to create an automated legacy download.

You put in the work to collect great data.

Your team members spend hours in the field, bushwhacking through the woods and braving extreme conditions. It's tough work, but your carefully collected data is the foundation for quality engineering decisions.



Data Collection

Manual data collection doesn't provide the level of accuracy, defensibility, or speed you need when bringing services to homes and businesses. Whether you're connecting communities, managing upgrades, or maintaining a reliable grid, **Katapult Pro can help you gather effective, efficient data faster than ever.**

- **Telecom Audit**

Assess telecommunication networks, their conditions, incumbent attachers, and areas to expand.

- **Distribution Inventory**

Gather detailed data and verify equipment records on hundreds of assets every day.

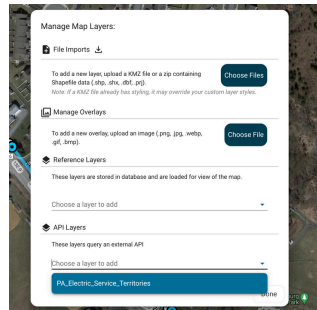
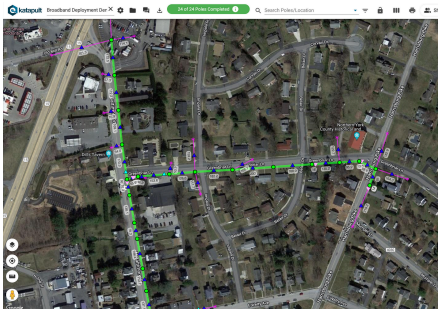
- **Broadband Deployment**

Capture comprehensive, defensible photo documentation of current conditions to get approved faster and build trust.

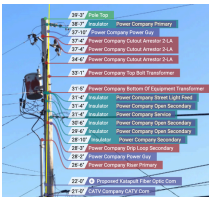
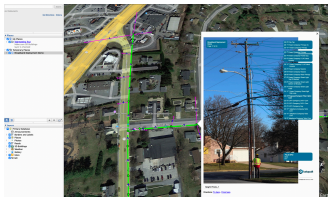
- **Utility Survey**

Get valuable insights into the state of your grid with highly accurate, detailed data on equipment specs, conditions, locations, and more.

- **Deployment and Walkout Mapping:** Customize map styles to view different assets, connections, and access points in your network, and match your clients' specific standards.
- **Attribute Tracking:** Provide feedback to your team and subcontractors with user and time-stamped actions.
- **Uniform Data Standards:** Simplify data management and integration with other systems with standardized collection methods and deliverables.



- **Out-of-the-Box and Custom Deliverables:** Create web, photo, map, and spreadsheet deliverables at the click of a button. Or, work with our team to create an automated legacy download, such as a pole profile sheet.
- **Photo Annotations:** Mark attachment and equipment heights and connect them throughout your projects for superior deliverables and engineering. Propose new attachments for permitting purposes.
- **Field Forms and Guided Inspections:** Use standardized workflows to simplify data collection and information inputs from the field.



SET UNDERGROUND NODE

handhole

manhole

pedestal



Your solutions keep communities safe and connected.

Between new technology and greater demands on the grid, your team must balance safety requirements, structural limits, and customer needs to connect homes and maintain reliability for communities across the country. Your expertise transforms complicated challenges into reliable infrastructure and services.



Engineering Design

The ins and outs of engineering design are complex, and teams spend precious time checking for violations and calculating pole loading analysis. With auto-flagging and a real-time loading engine, Katapult Pro lets you focus on designing and sharing solutions for faster, safer builds.

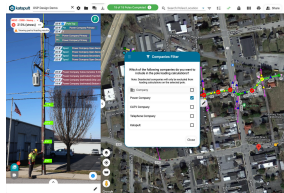
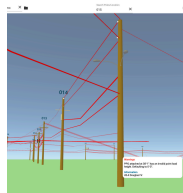
- **OSP Design**

Manage and maintain standards for telecom projects across pole owner footprints, and leverage new staff from day one for faster deployment.

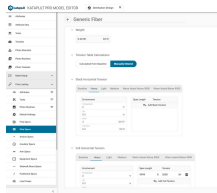
- **Distribution Design**

Calculate pole loading analysis, suggest pole replacements, and leverage 3D views of your network for more intuitive designing and maintenance.

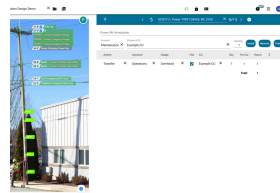
- **Distribution Standards and Clearances:** Import national clearances and make ready standards and adjust based on specific regulations within your footprint. Auto-flag all clearance violations at once for an entire project.
- **Integrated Pole Loading Analysis:** Leverage existing and proposed pole data and a built-in loading engine to view pole loading resulting in real-time while you design.
- **Cost Estimates and Filtering:** Evaluate pre-existing attachment violations using attacher filters to see where construction went wrong and who might be responsible. Estimate construction costs to evaluate expensive moves.



- **Hosted Utility Standards:** Set specific engineering standards based on your area and auto-flag violations across all projects.
- **Make Ready Notifications:** Generate a report with one click to highlight required make ready work. Break down work based on simple versus complex for one-touch make ready.
- **Construction Package Creation:** Use engineering plans to create complete construction packages for faster builds. Integrate with legacy systems using web automations or API tools.



Complex Make Ready	Simple Make Ready	Attacher Structure
Power Company • Open Box at 20'0" - Opened existing • Alter box structure to 200' standard size Power Company • Open Box at 20'0" - Opened existing • Alter box structure to 200' standard size Power Company • Open Box at 20'0" - Opened existing • Alter box structure to 200' standard size	Power Company • Open Box at 20'0" - Opened existing • Alter box structure to 200' standard size Power Company • Open Box at 20'0" - Opened existing • Alter box structure to 200' standard size Power Company • Open Box at 20'0" - Opened existing • Alter box structure to 200' standard size	Power Company • Open Box at 20'0" - Opened existing • Alter box structure to 200' standard size Power Company • Open Box at 20'0" - Opened existing • Alter box structure to 200' standard size Power Company • Open Box at 20'0" - Opened existing • Alter box structure to 200' standard size



Attachment Owner

Katapult



App Name

Dillsburg Fiber Buildout

When Work Completed

mm/dd/yyyy

Contact Name

Mike Lintal

Contact Number

717-502-4212

Work Address

13 N Baltimore St
Dillsburg, PA 17019

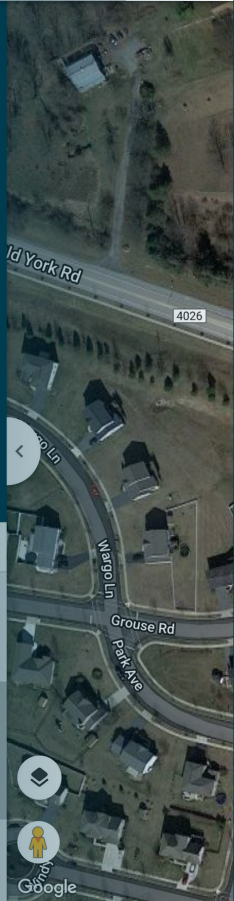
Diameter

0.5

You connect communities with reliable services.

You don't just manage work orders and keep projects on track. You collaborate with people, coordinate improvements, and bring safe, stable services to families and businesses across the country.

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2		demo_power_c X	Pole Tag	+ Attachm... ▼	▼	
3		Power Compan X	158235	+ Bolted Cab X	▼	
4		Power Compan X	1598656	+ Bolted Cab X	▼	
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Workflow Management

You keep the trains moving and improve collaboration, but disjointed systems and disconnected workflows make communication difficult. A lack of transparency and complicated processes cost more than just calendar days—they erode trust. **Provide visibility to your partners and manage projects with automated notifications and custom statuses, so you can meet deadlines and exceed expectations.**

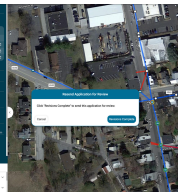
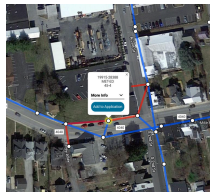
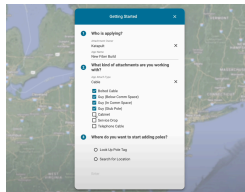
- **Telecom Projects**

Coordinate across attachers and incumbents to bring clarity to the application process with telecommunication workflow tools.

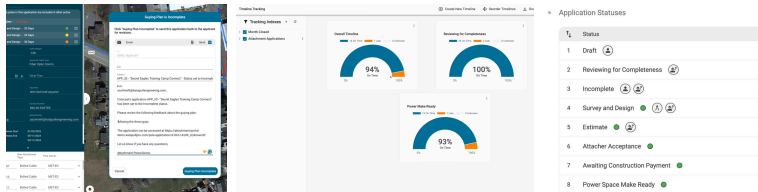
- **Distribution Projects**

Improve grid updates and workflows across your footprint, creating and customizing unique project types to streamline power distribution.

- **Portal Workflow:** Manage projects via a portal for internal or external collaboration. Present one version of truth with an easily accessible database that harnesses best-in-class cloud security. Advance projects faster with instant updates and no delays due to calendar days.
- **Hosted Layers and Records:** Use secure file transfer protocol to share available asset locations and equipment information for better submissions and engineering.
- **Application View:** Capture and configure your unique workflow for various project types and standardize across application types.



- **Automated Notifications:** Create custom timelines for application types with set events and alerts. Use automated emails to update contractors, vendors, and stakeholders on projects and keep the process moving with automatic timers, events, statuses, and more.
- **Compliance and Reporting Dashboards:** Leverage custom dashboards to ensure timeline and regulatory compliance with national standards for pole inspections, third-party attachments, and more. Create your own KPI dashboards to assess program health.
- **Fully Configurable:** Configure application types, processes, workflows, notifications, timelines, attributes, and standards based on your specific program's needs.

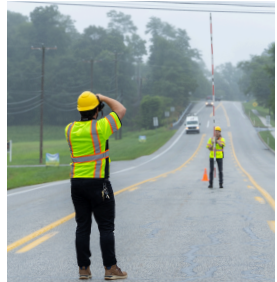


Training Programs

Whether you're onboarding staff, starting a new workflow, investing in top performers, or improving your internal training, our Training Programs can kickstart your team's growth!

Field Bootcamp

Join us in Dillsburg, PA where your staff can spend three days in the field with one of our experts for intensive, in-person training. Afterward, we'll follow up with your team using eight virtual check-ins to help you collect data within your workflow.



Office Apprenticeship

Spend a week with our experts learning the ins and outs of annotation, extraction, and design. Follow up the in-person portion with two weeks of online training to resolve issues and answer questions as your team applies their new skills to real projects.

Consulting and Configuration

Our consulting team connects your problems with short-term and long-term solutions that bring lasting value to you and your clients.

- **Project Setups:**

Consult with our experts to adapt the platform based on your specific scope, with custom attributes, clearances, map styles, and more.

- **Process Automation:**

Leverage automation and platform development to reduce redundancies and improve your workflow.

- **Custom Configuration**

Set up models, buttons, QA/QC logic, and external integrations to elevate your current workflows.

- **Custom Coding**

Adjust Katapult Pro to create the processes and models you need for success, leveraging site license hours for improvements.

- **Custom Exports**

Request legacy exports and custom deliverables to minimize manual entry and reduce room for error.

Software Packages:

Package tools available to all users

Data Collection

- **Mobile Assessments** for standardized routines and field data entry.
- **Back-office measurement and tracing tools** to propose new attachment heights.
- **Out-of-the-box & custom exports** for web, photo, map, and spreadsheet deliverables.
- **As-Built Documentation and Review (PCI)** tools to identify construction deficiencies.
- **Attribute Tracking** for transparency, feedback, and reporting.

Engineering Design

- **Auto-flag clearances** across your projects and footprint with imported national standards and custom make ready rules.
- **Create construction packages** with engineering plans to populate packages.
- An **integrated pole loading engine** lets you leverage existing and proposed data for real-time pole loading results in 3D view.
- **Make ready notifications** to generate reports and highlight make ready work.

**Engineering Design includes access to Data Collection tools.*

Workflow Management

- **Portal workflow** to track work in progress for collaboration with other parties.
- **Hosted utility records** for secure file transfer protocols to share asset information.
- **Custom timelines** with automated notifications, events, emails and alerts to keep the process moving.
- **Required attributes** to automatically vet requests for quality applications.
- **Fully configurable** processes, workflows, standards, and more based on your program.

**Combine Workflow Management with engineering tools for a full-stack program.*

Package Features:

FEATURES	DATA COLLECTION	ENGINEERING DESIGN	WORKFLOW MANAGEMENT
Desktop design	✓	✓	✓
Field collection	✓	✓	✓
Mobile assessments	✓	✓	✓
Post-construction inspections	✓	✓	✓
Photo tagging/calibration	✓	✓	✓
Measure attachment and midspan heights	✓	✓	✓
Tracing	✓	✓	✓
Proposed attachments/guying	✓	✓	✓
Photo uploads	✓	✓	✓
Automated QC	✓	✓	✓
Standard map, photo, and spreadsheet exports	✓	✓	✓
Auto-flag clearance violations		✓	✓
Make ready moves		✓	✓
Pole replacement design		✓	✓
Hosted distribution standards and clearances		✓	✓
Comm and conductor specs		✓	✓
Virtual rideout view		✓	✓
Integrated pole loading analysis		✓	✓
3D view		✓	✓
Real-time loading results		✓	✓
Public-facing job tracking portal			✓
Hosted utility records			✓
Email notifications and digital signoffs			✓
Attribute tracking and searchable actions			✓
Custom timelines and status actions			✓
Configurable application requirements			✓

Diversifying for the Future

As you meet the need for broadband deployment, these three shifts can diversify your portfolio to offer value beyond broadband, preparing your team for future growth.



From New Builds to Maintenance Efforts

- Data collection and engineering aren't just valuable for new projects. Provide critical data and maintenance services for utilities for ongoing grid reliability.



From Structural Designs to Logical Data Flow

- Asset locations and conditions are important, but metering, energy flow, and voltage drop calculations give intel into the flow of data and grid performance.



From Working in the Process to Working on the Process

- Healthy programs are built on healthy processes. Improving training, communication, deployment, and strategy results in lasting value for years to come.

The utility industry sits at the crossroads between power distribution and broadband deployment. Teams have to find ways to maintain a robust electrical grid and manage the growing demand for high-speed internet. By improving the deployment process, building relationships with other stakeholders, and ensuring safety and reliability, you provide two critical utilities to communities across the country.

Raising the quality of life for Americans—that's work that matters!

Ready to get started with Katapult Pro?
Scan to schedule a meeting today!

or visit katapultengineering.com/get-started





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