

ABB OY DISTRIBUTION SOLUTIONS

ADAM – fleet management for protection and control devices

Product presentation



ADAM

Fleet management for protection and control devices

Easy-to-use, cybersecure and cloudbased, ADAM provides you with the full view of your devices, complete visibility of your data, and easy device management.

This digital solution is fully hosted in a cloud environment and secure communication from the site to the cloud can be managed, for example, with ABB's Arctic family of wireless communication products. نہ ج

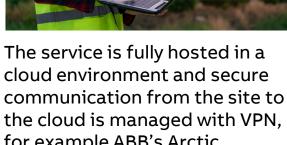
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ADAM In a nutshell



ADAM is a new fleet management service.

ADAM is used for monitoring and managing ABB protection and control devices.







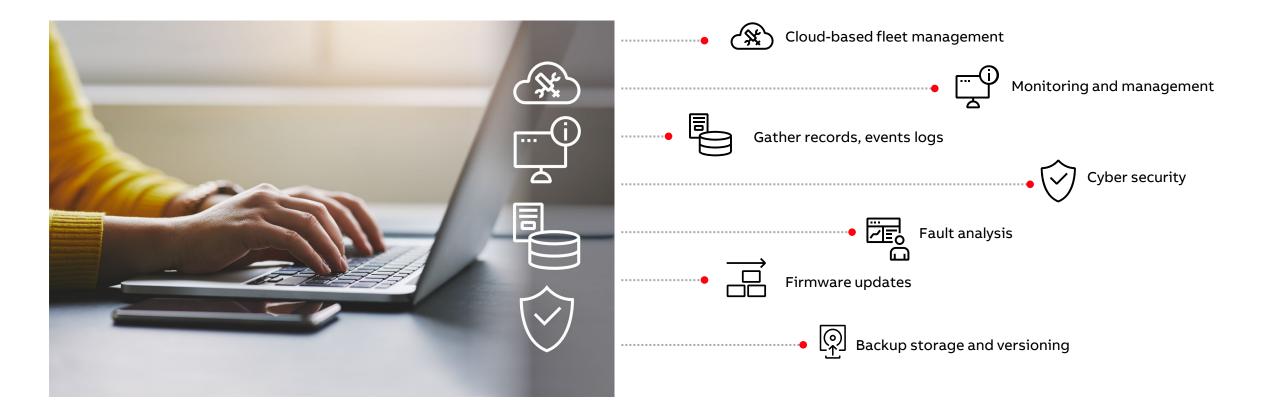
The cloud-based offering provides users the full view of their protection and control devices in their substations.



ADAM can be used in combination with ABB's Smart Substation **Control and Protection** SSC600/SSC600 SW.

ABB will gradually increase support for also other protection and control devices in upcoming releases.















Cost-efficient management of protection and control devices



Full visibility of substation status Unique possibility for fault analysis covering the complete installation



Easy for end-user to use, just log in to the cloud service

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Reliable storage for configurations and logs

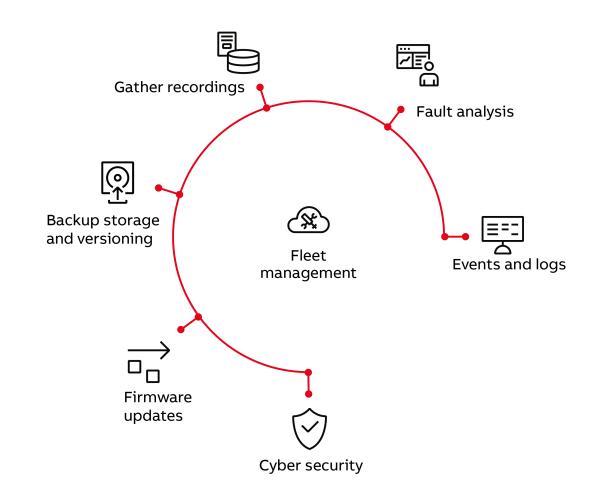
Ensure protection and control devices are updated with the latest firmware

Cybersecure end-to-end **ABB** solution

ADAM

Features and functionalities

- Storage and backup
 - Configurations
 - Recorded data
- Data driven apps
 - Monitor ABB protection and control devices
 - Visualization of records, events and logs
 - Condition monitoring
 - System optimization
- Fleet management
 - Firmware updates
 - Settings management



ADAM

Secure communication system

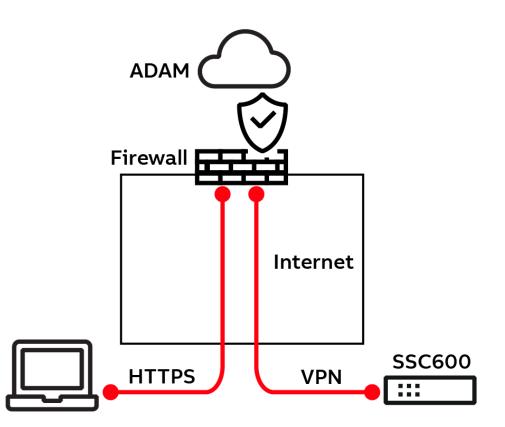
SSC600 connects to ADAM via VPN tunnel.

You can freely choose your preferred VPN-based network infrastructure for connectivity.

A complete ABB connectivity solution can be done with, for example, Arctic family of wireless communication products.

The end user connects to ADAM with a web browser

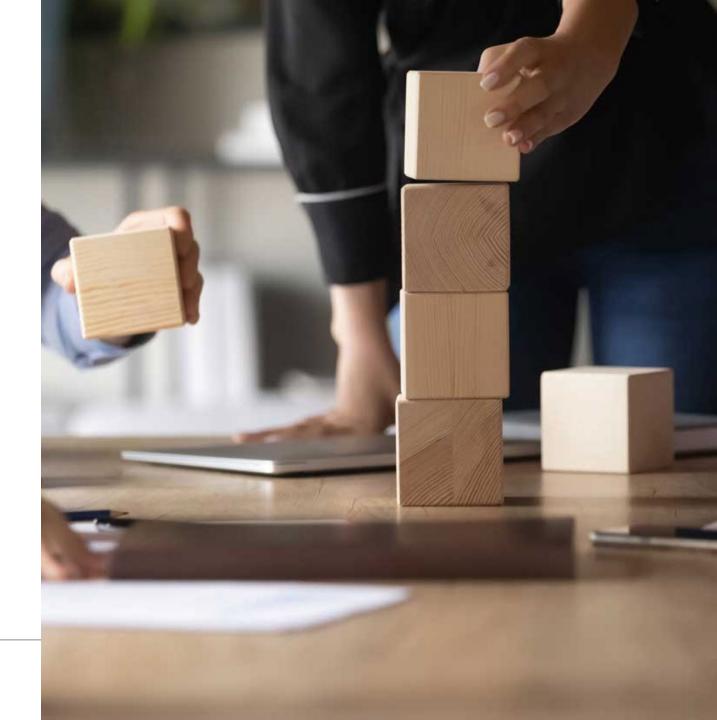
- Encrypted secure connection with HTTPS
- Single sign-on with multi-factor authentication
- Role-based access control possibility



ADAM Subscription-based service

ADAM is a subscription-based service that can be purchased via ABB Relays-Online. Go to: <u>https://relays.protection-control.abb/</u>

Learn more about ABB Relays-Online: go.abb/relaysonline



ADAM Main functionalities

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ADAM User Management

Single Sign-On with MyABB credentials. You can use the same login information as on ABB Relays-Online and other ABB services.

It is possible to manage user rights differently for every substation.

Management is done by your organization, not ABB.

Localusar								
Local user								
john.doe@domain.tld								
Password								
Password								
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Unauthorized access to this service is prohibited. Ye	Voltage levels	Access control				Add user		
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and/or criminal penalties. All activities performed o logged.						Type to search (min 3 characters) No users found or user is already in		
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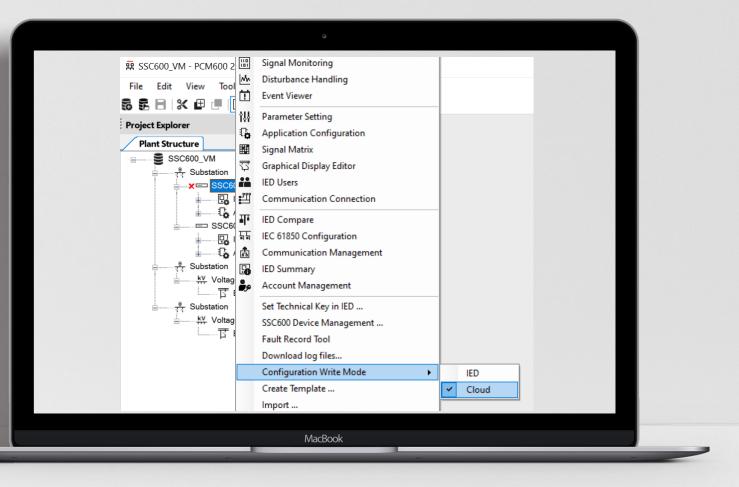
ADAM Configuration updates

The configuration is updated from ABB's relay setting and configuration tool PCM600.

No extra configuration work required – ADAM uses the same data as already created for the relay.

The configuration is written to ADAM during:

- Commissioning
- After updates



ADAM Device information

Provides detailed information about the devices in the substations.

Includes

- Statuses
- Product information

	C / STA_01 / Substations / STA_01 / SSC600_111											
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	Product version 1.0 FP2	Warning	ning									
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	Serial number 1VH331010016 SW version 1.2.1		not be established	00:21:21.988								
	Sw Version 1.2.1 Fetch remote info		Ok	28.4.2021								
	Fetch remote info		UX	00:16:00:188								

ADAM Activity monitoring

Provides information about protection and control related activities in the substation.

- ADAM audit logs
- Alarms

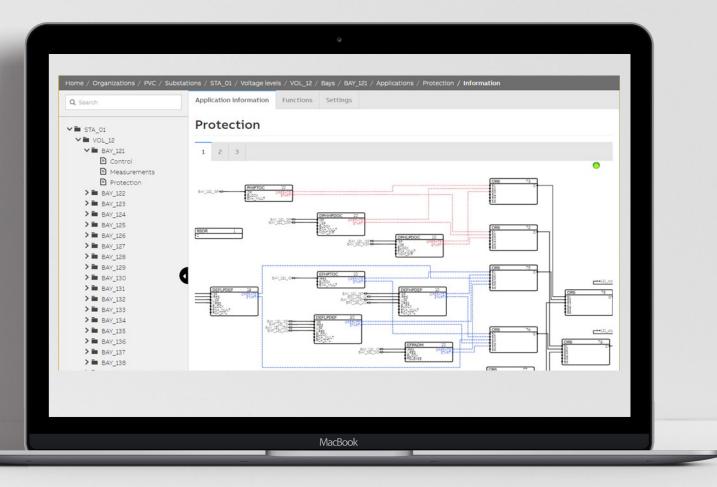
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ADAM Configuration status

Provides a detailed view of the protection and control application.

An easy way to find logic errors in the installation.

Provides the complete list of all activated protection functions.



ADAM Fault analysis

You can easily monitor all substation level events. Perform detailed analysis of faults with the gathered disturbance recordings.

ADAM Configurations	Events More -					 Connected 	🛓 Henry Niveri	40	PVC 🕶	EN	•		
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> T VOL_12	TIMESTAMP -	SUBSTATION	BAY	FUNCTION	DESCRIPTION	VALUE		IDENTIFIER					
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(14.10.2022 09:12:22:031	STA_01	BAY_188	master mp(zz)	Operate	True		LDO.DPHLP					
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	14.10.2022 09:12:22.031	STA_01	BAY_183	Dis	turbance report								
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ADAM Asset management

View all version information of the installed devices.

Check the status of the whole fleet in one view.

Possibility to do firmware update for all devices.

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Learn more about ADAM



Web page: ADAM product page



Video: Introducing ADAM

