

# DART AI

## Smart Buildings



## DART AI: REVOLUTIONIZING NETWORK RELIABILITY IN SMART BUILDINGS

Smart Buildings offer cutting-edge solutions for optimizing building performance, energy efficiency, and occupant comfort and safety. These sophisticated systems rely on robust and reliable network infrastructure (IP networks). However, network issues can arise, impacting critical building automation and control systems managing HVAC, lighting, security, and access systems.

Traditional network troubleshooting and remediation methods are often slow, manual, and reactive, leading to extended downtime and disruptions degrading building performance. DART AI offers a revolutionary approach, providing automated network remediation to maximize the uptime and performance of Smart Building deployments. With DART AI, you essentially have a network expert on call 24/7, proactively monitoring and addressing potential issues.

### THE BENEFITS OF DART ON THE AWS PLATFORM

DART on the AWS platform offers several benefits that come from AWS's robust infrastructure, scalability, and advanced tools and services. These include elastic compute resources that adapt to variable loads without sacrificing performance and high fault tolerance. DART processes 100% of packets, streams, logs, and alarms and helps analyze applications, identify bottlenecks, and gain valuable insights for the network and each endpoint connection.

### THE CHALLENGE: NETWORK COMPLEXITY IN SMART BUILDINGS

Modern smart buildings integrate numerous interconnected devices and systems, creating complex network environments. This complexity presents several challenges:



#### LACK OF PROACTIVE INSIGHTS

Limited visibility into network health makes it difficult to anticipate and prevent potential issues.



#### DIFFICULT TROUBLESHOOTING

Isolating the root cause of network issues can be time-consuming and require specialized expertise.



#### INCREASED FAILURE POINT

More devices mean more potential points of failure.



#### REAKTIVE PROBLEMLÖSUNG

Traditional methods rely on identifying problems after they occur, leading to downtime and disruptions.

## DART AI: THE SOLUTION FOR AUTOMATED NETWORK REMEDIATION

DART AI is an AI-powered platform that automates network remediation, ensuring the continuous operation and optimal performance of Smart Buildings.

It's like having a dedicated network specialist 24 x 7, continuously vigilant and ready to respond. It addresses the challenges of network complexity by providing Management Level connection to the building automation IP network for overarching control and analytics.

### PROAKTIVE ÜBERWACHUNG UND ANOMALIEERKENNUNG

DART AI continuously monitors network traffic and device performance, identifying anomalies and potential issues before they impact building operations. Think of DART AI as your network's early warning system.

### MACHINE LEARNING-DRIVEN OPTIMIZATION

DART AI leverages machine learning to continuously learn and improve its performance, adapting to the specific characteristics of each building network.

### INTELLIGENT REMEDIATION

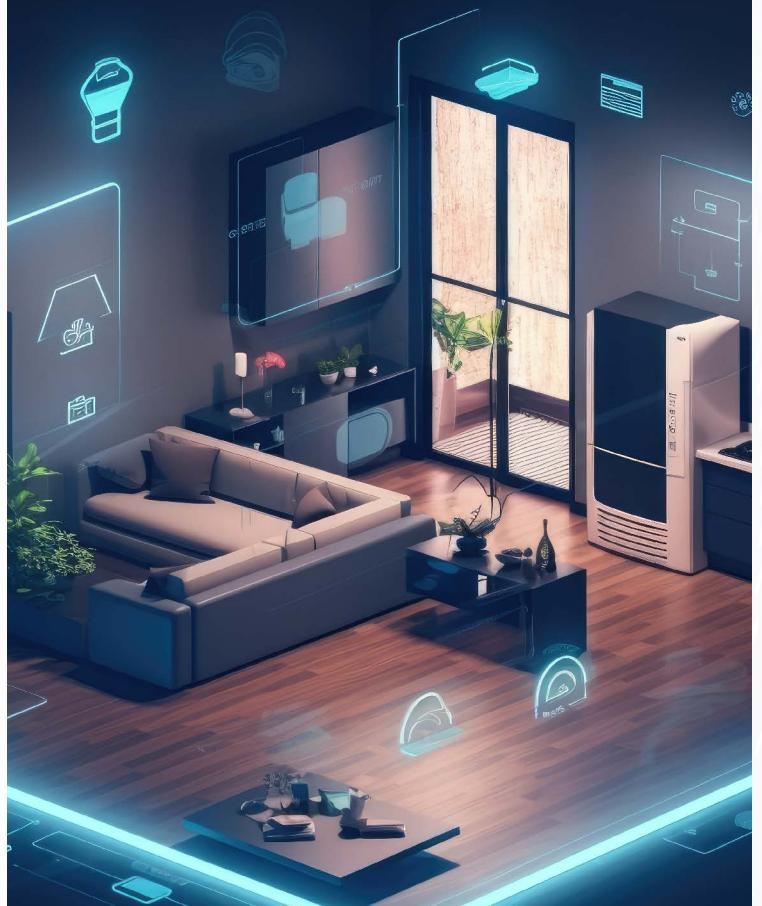
DART AI automatically implements pre-defined remediation actions to resolve network issues, minimizing downtime and service disruptions.

### INTEGRATION WITH BUILDING MANAGEMENT SYSTEMS

DART AI seamlessly integrates with existing building management systems, providing a unified view of network health and building operations. This allows for coordinated responses and optimized building performance.

### AUTOMATED DIAGNOSTICS AND ROOT CAUSE ANALYSIS

DART AI automatically diagnoses network problems and pinpoints the root cause, eliminating the need for manual troubleshooting.



### KEY BENEFITS FOR DART AI IN SMART BUILDING DEPLOYMENTS

#### Increased Uptime



Proactive monitoring and automated remediation minimize network downtime and reliability, ensuring the continuous operation of critical building systems.

#### Simplified Network Management



DART AI simplifies network management, freeing up IT staff to focus on strategic initiatives.

#### Reduced Operating Costs



Automated troubleshooting and remediation reduce the need for manual intervention, saving time and resources.

#### Improved Building Performance



Optimized network performance translates to improved building efficiency, occupant comfort, and overall performance.

#### Enhanced Security



Proactive monitoring and anomaly detection help identify and mitigate security threats, protecting building systems and data.

#### Scalability and Flexibility



DART AI can scale to accommodate the growing needs of smart building deployments, providing a flexible and future-proof solution.



## COMPETITIVE ADVANTAGE

### AI Powered Automation

DART AI's use of artificial intelligence sets it apart from traditional network management tools, providing proactive and intelligent remediation. With DART AI, you get the combined benefits of 24/7 monitoring and immediate expert intervention.

### Comprehensive Solution

DART AI offers a comprehensive solution for network monitoring, diagnostics, and remediation, addressing all aspects of network reliability.

### Seamless Integration

DART AI's integration with existing Building Management Systems provides a unified platform for managing building operations and network health.

### Proven Results

DART AI has been proven to reduce network downtime and improve building performance in real-world deployments.



DART AI is a game-changer for managing network reliability in Smart Buildings. By automating network remediation, DART AI ensures the continuous operation of critical building systems, reduces operational costs, improves building performance, and enhances security.



**972.235.6100**

300 North Coit Road, Suite 700  
Richardson, Texas 75080

**DART Support**

469.342.9122  
[support@cirries.com](mailto:support@cirries.com)