

AT&T Cybersecurity  
2023 The Edge Ecosystem

# Focus on Transportation

The edge ecosystem is rapidly developing in transportation. Our research uncovers the trends to help you start strategically planning and investing for securing this dynamic shift in computing.

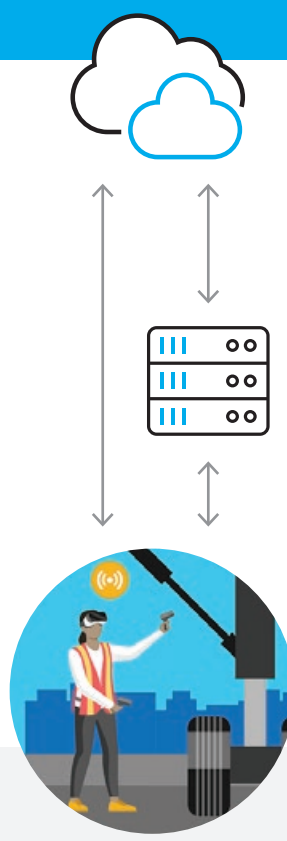
Based on survey results from the 2023 AT&T Cybersecurity Insights Report: Edge Ecosystem.

## What are the common characteristics of edge computing?

**Software defined**  
Cloud - private or public or on-premise

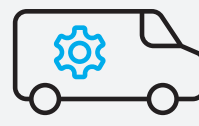
**Data driven**  
Closer to user creation and consumption

**Distributed configuration**  
Intelligence, networks, and management



Think of the edge ecosystem as a new opportunity for competitive differentiation and business outcomes.

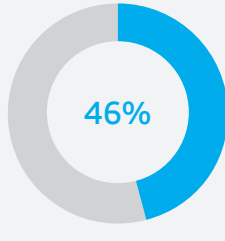
### Primary use case



2023  
Fleet management

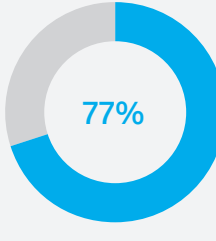
## Transportation edge computing benchmarks

Top endpoint



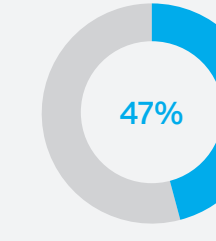
Mobile devices

Top network



4G/LTE cellular

Top configuration



Cybersecurity and networking in the cloud and on-premises

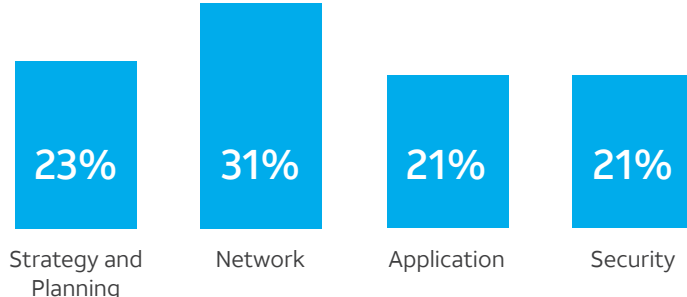
## The Opportunity: creating a secure edge computing ecosystem in transportation

Three key initiatives emerged as respondents reported the changes they are making.

1

### Proactive investing

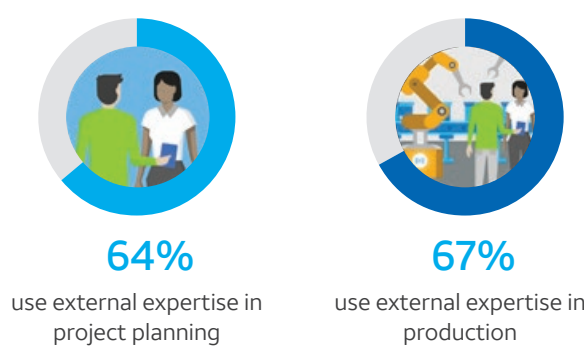
Respondents anticipate change and are allocating resources accordingly.



2

### Cross-functional collaboration

Respondents report value in tapping both internal and external ecosystem expertise.



3

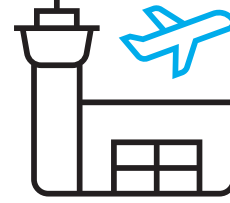
### Dynamic cyber resilience

The edge ecosystem requires new thinking. It's constantly evolving, and legacy thinking won't solve emerging challenges.

Use cases anticipated in next three years:

45%

of use cases involve physical security functions



## Prepare to secure your edge ecosystem



**Define your edge computing profile**  
Work with lines-of-business on use cases. Include business partners and vendors to identify which initiatives impact security.



**Develop an investment strategy**  
Bundle security investments with use case development. Evaluate investment allocation and include a security budget.



**Increase your compliance capabilities**  
Regulations can vary significantly. Keep up with tech mandates and compliance by tapping advisors with expertise.



**Build-in resilience from the start**  
Evaluate investment allocation as use cases multiply. Consider bundling security expense with use case development.



**Align resources with security priorities**  
Collaboration expands expertise and lowers resource costs. Edge use case security experts can help streamline use case development.



**Prepare for ongoing, dynamic response**  
Use cases require high-speed, low-latency networks; at the same time, network security and cybersecurity controls will converge.

Get the 2023 AT&T Cybersecurity Insights Report: Focus on Transportation

Download



### About the research

Research conducted during July and August 2022. We surveyed 1,418 security practitioners from the United States, Canada, the United Kingdom, France, Germany, Ireland, Mexico, Brazil, Argentina, Australia, India, Singapore, and South Korea. Respondents come from organizations with 1,000+ employees, except for US SLED and energy and utilities verticals. Respondents were limited to those whose organizations have implemented edge use cases that use newer technologies such as 5G, robotics, virtual reality, and/or IoT devices. Respondents are involved in decision-making for edge use cases, including cybersecurity, that involves new technologies such as 5G and IoT devices. For certain questions, participants could choose more than one response. In these cases, the responses do not round to exactly 100%. More information is available in the full report. <https://cybersecurity.att.com/insights-report>