WI-FI AS CAMPUS INFRASTRUCTURE LEADING THE WI-FI 7 TRANSITION:

LESSONS FROM UNIVERSITIES MODERNIZING THEIR CAMPUS NETWORKS

WI-FI AS CAMPUS INFRASTRUCTURE

LEADING THE WI-FI 7 TRANSITION: LESSONS FROM UNIVERSITIES MODERNIZING THEIR CAMPUS NETWORKS

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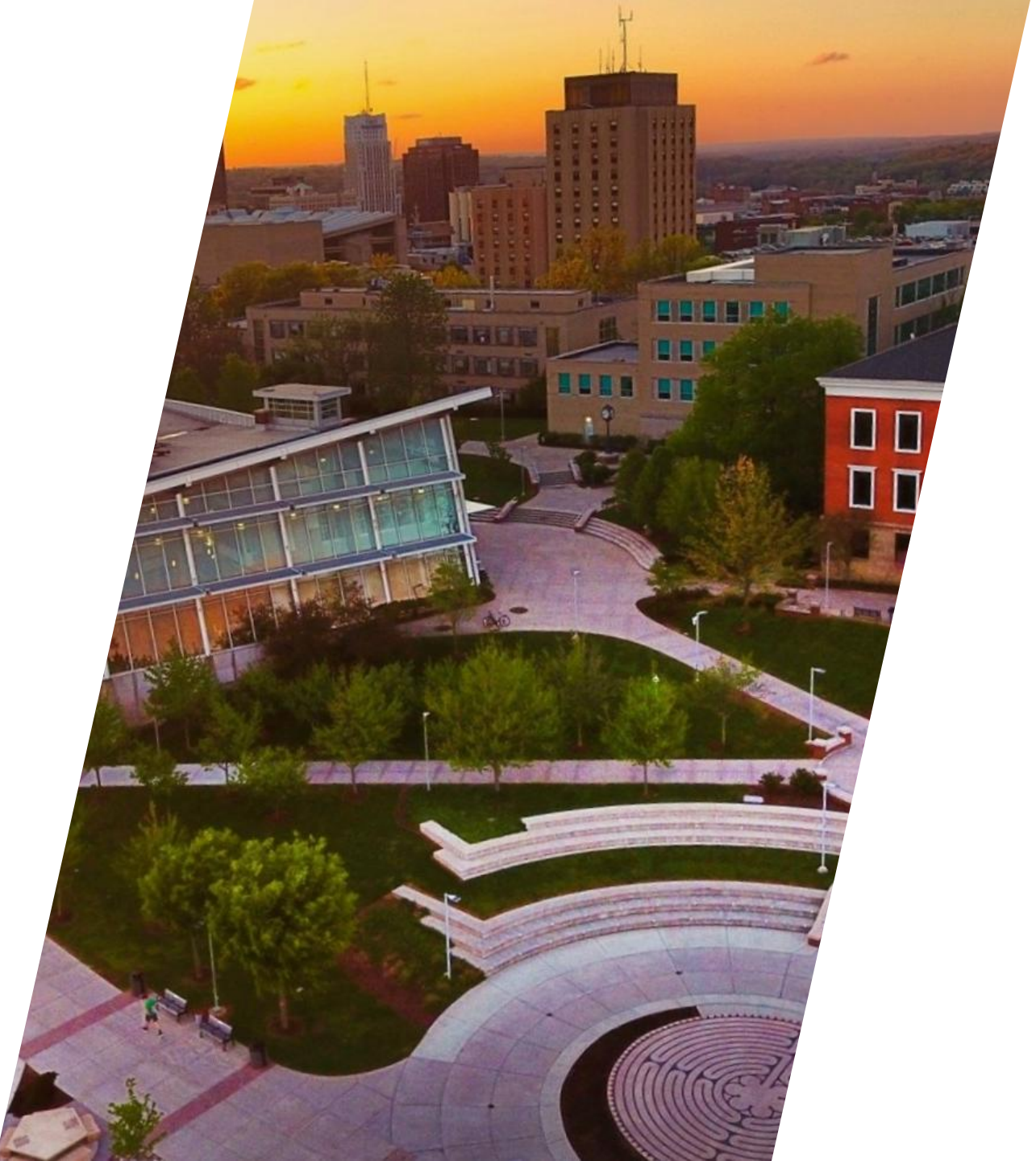
RUCKUS NETWORKS

UberData Networks

THE FUTURE OF NETWORKING. NOW.



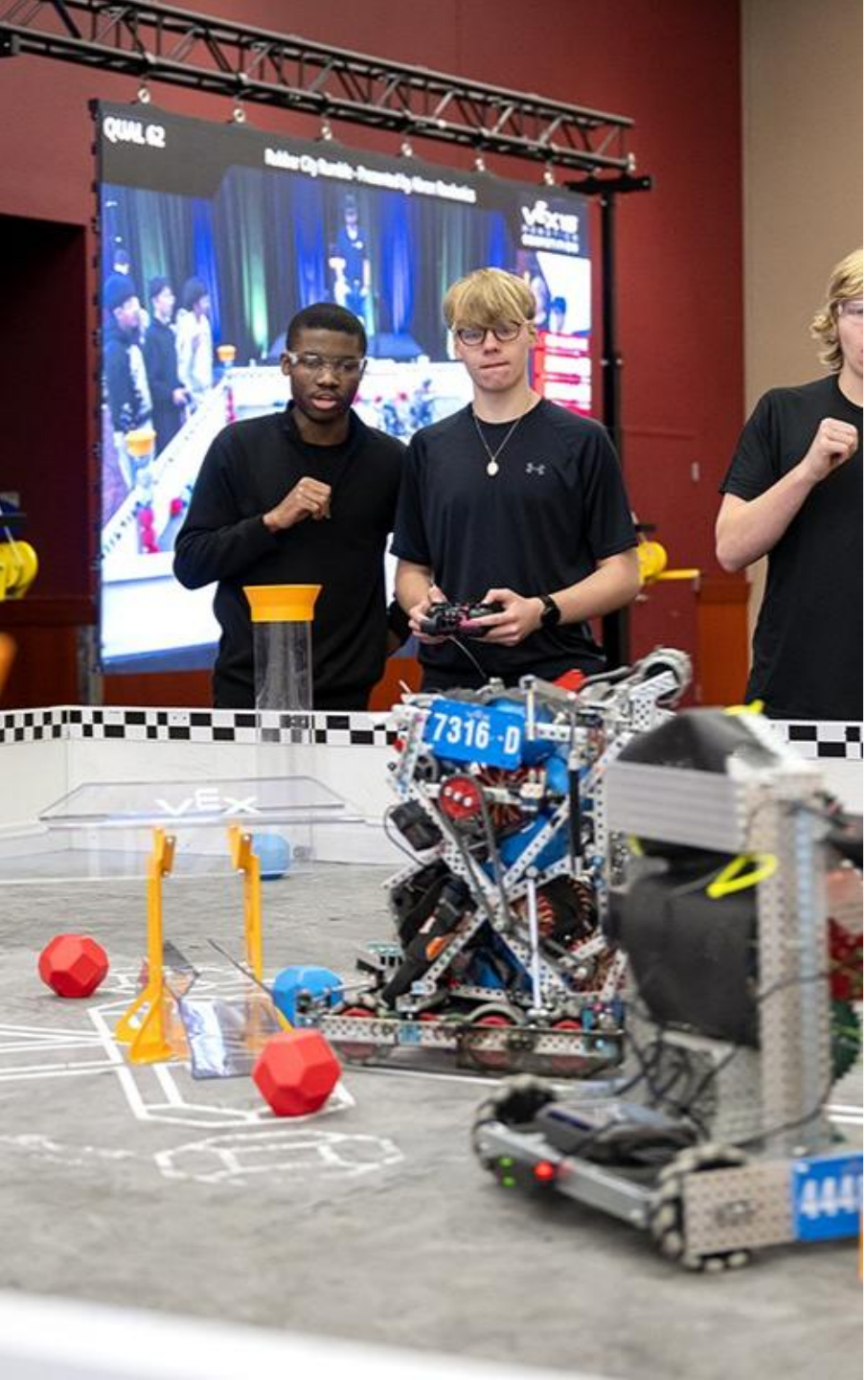
AGENDA

INTRODUCTION

PANEL QUESTIONS

DATA ANALYTICS

Q & A

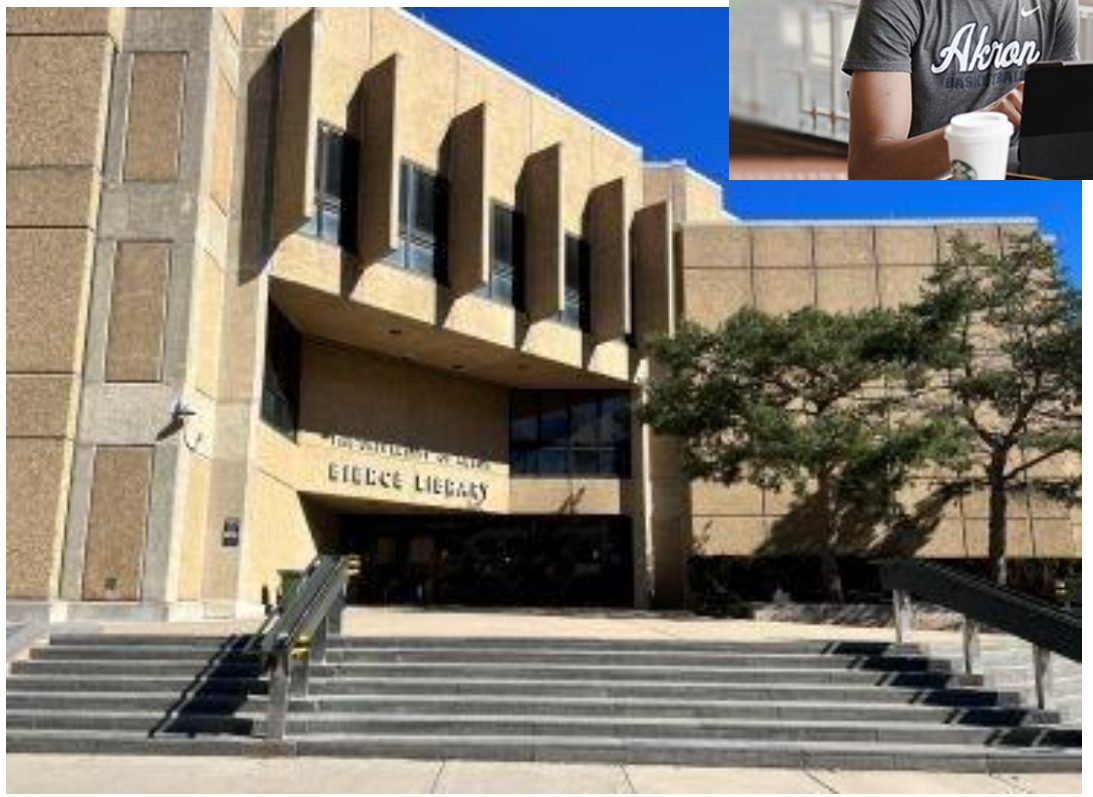


THE MODERN CAMPUS EXPERIENCE

- How does network infrastructure correlate with institutional success?
  - Student attraction
  - Student retention
  - Student success
  - University Operations

HOW DID WE BUILD A BACKBONE READY FOR SUCH HIGH-DENSITY DEMAND?

- Transitioned from an **8 Gb** to a **12 Gb** internet circuit
- Wi-Fi 7 is expected to help extend the hardware lifecycle by an estimated **2 to 3 years**
- RUCKUS One controller has reported an average of **3x** number of concurrent devices on the network
- University reports **lower latency** and routine concurrent use count of **15,000**



THE MOVE-IN ~~PROBLEM~~ RESOLUTION

- Automate student device onboarding
- Enable seamless connection for high-volume, non-traditional devices (gaming consoles, tablets, printers, IoT, etc.)

- **0 tickets** submitted during the subsequent new semester mass onboarding
- **30%** reduction in help tickets overall
- Comparative increase in network throughput by **15 to 20%**

“The [RUCKUS One] AI identifies and often fixes problems before students notice. When the wireless foundation is solid, it enables everything else, from digital learning to future technology initiatives."

ANDREA NUNLEY, *ASSOCIATE CHIEF INFORMATION OFFICER, THE UNIVERSITY OF AKRON*

HOW DOES MODERN INFRASTRUCTURE REDUCE IT BURDEN?

METRIC	Impact/Result
Move-in Week Support Load	100% reduction in service tickets
Overall IT Support Load	30% reduction in service tickets
Device Density	300% increase vs. prior peak
Network Capacity	50% increase in internet circuit capacity
Automation Efficiency	10% of issues auto-remediated
Network Scale	Increased trust in network dependability; Supports 15,000 concurrent users

Improved Operations,

Not Just Performance.


Q & A