

# Revolutionizing User Experience through Proactive and Automated IT Support at NTU Singapore

Supporting Document for Global CIO "Project of the Year"

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#### **Proactive and Automated IT Support**

Triaging, Basic Troubleshooting, Technical Support Transforming NTU IT with Service Delivery 1-2-3

Live Monitoring of Audio-Visual Systems in **Common Teaching Areas** 







Integrated **Troubleshooting Guides** on Touch Panels for **Reduced Support** Tickets



Radar. Auto Pilot. Agents with Al



**Automated Service Catalogue** 





**Expert Remote Assistance for Field Engineers** 



Code for Onsite Assistance.

Service Desk Hotline 6790-4357

Fast-Track IT/AV Support with Location-Based QR Codes



Real-Time Resource Monitoring & Control via Overview Dashboards

#### Who we serve



Alumni





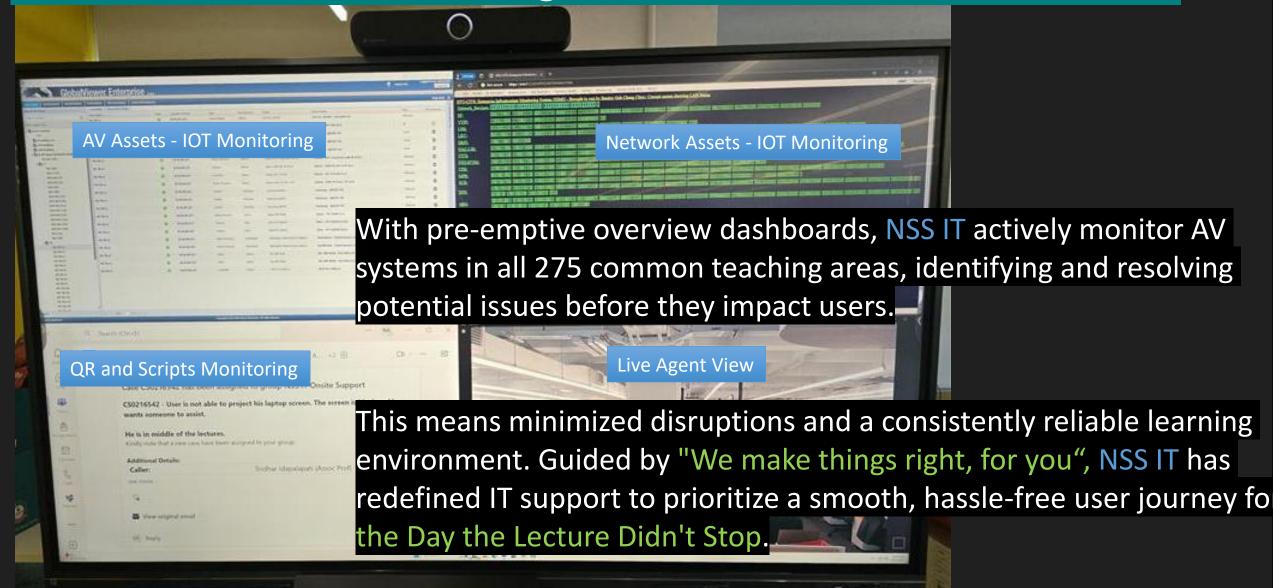


Students

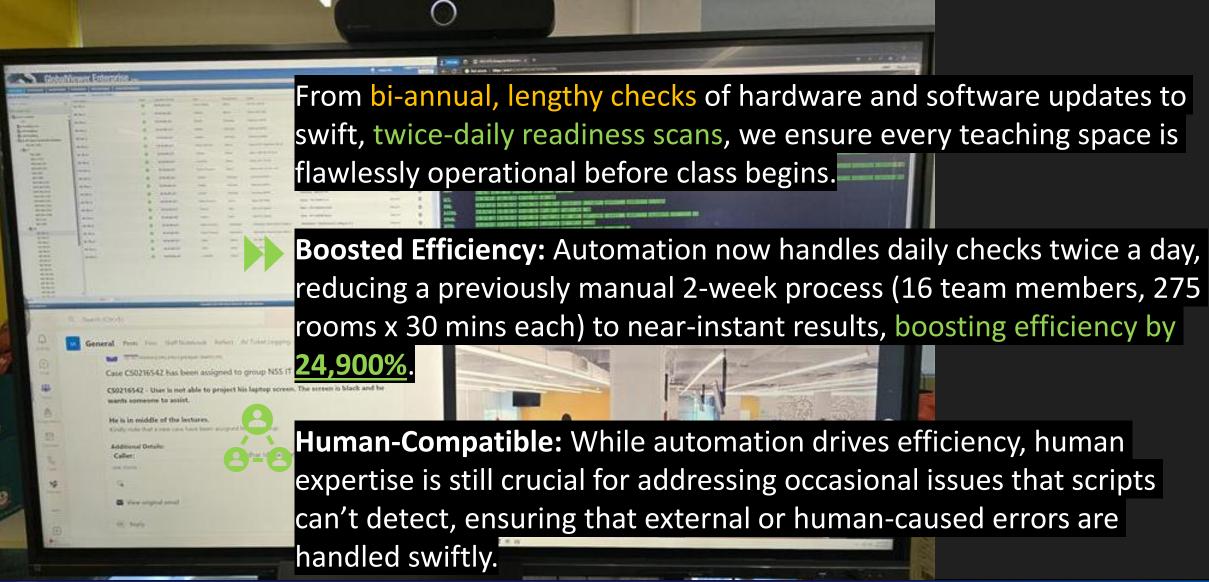
8,000 Faculty & Staff

**NTU Community** 

Real-Time Resource Monitoring & Control via Overview Dashboards



## Real-Time Resource Monitoring & Control via Overview Dashboards



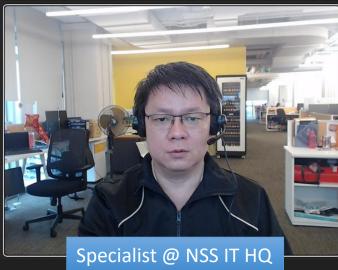
# Expert Remote Assistance for Field Engineers









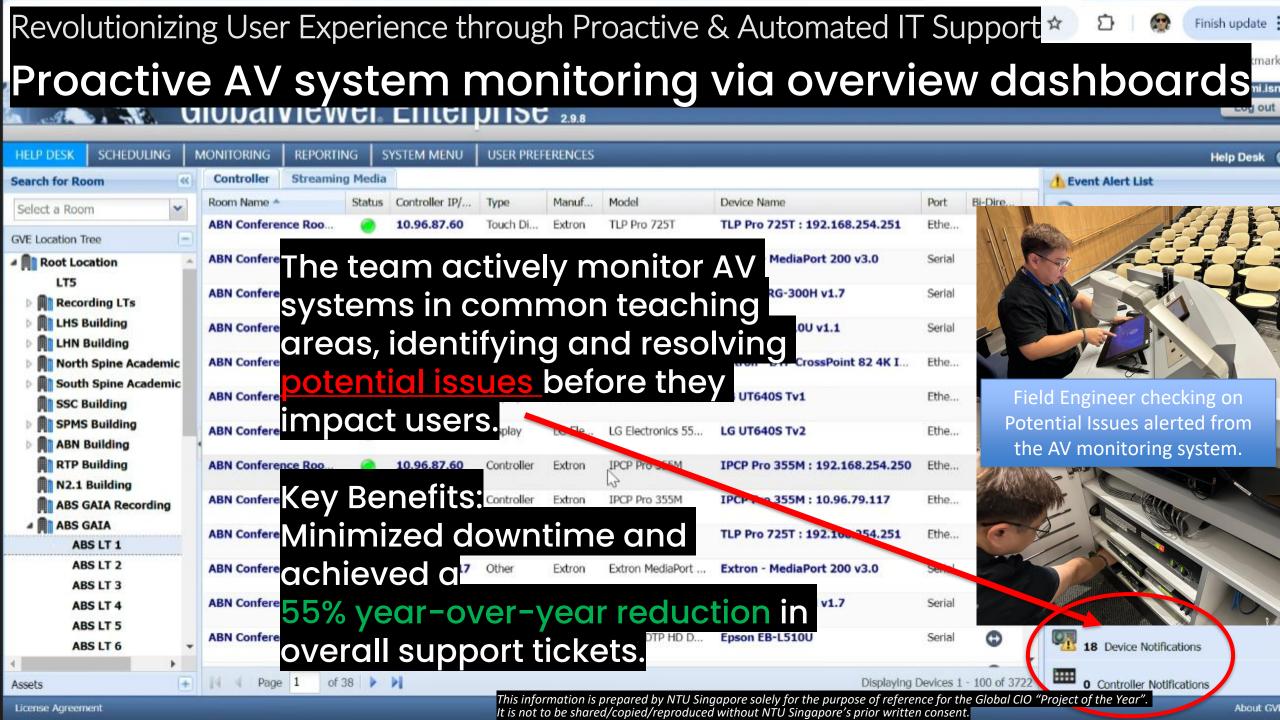


Hands-free Al: Meta Glasses offer hands-free access to Gen-Al for Al-powered incident response.

Remote Expert Guidance: Field engineers can receive real-time visual guidance from specialists through the glasses.

#### **Key benefits:**

Faster problem resolution reduced downtime increased productivity

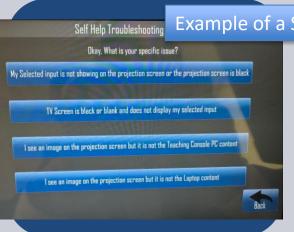


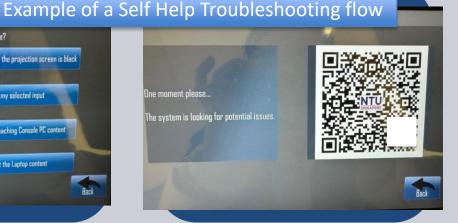
# Revolutionizing User Experience through Proactive & Automated IT Support Integrated Troubleshooting Guides on Touch Panels

First-Outside-US integrated **Self-Help portal** in common teaching spaces - tutorial rooms:

Reduced Classroom support tickets by 10%, empowering users with self-service solutions.









As a final tier, location-based QR codes in NTU's common teaching spaces provide instant access to fast-track IT/AV support, ensuring minimal disruption. Decreased average ticket response time by 10 minutes.





#### **ServiceNow Ticket Automation**

Generative AI automates ticket triage by categorizing and suggesting responses, speeding up IT support.

#### **Impact and Benefits**

Al implementations reduce workload, improve response times, and enhance user satisfaction in IT services.

>50%

Time reduction to resolve an incident

>90%

Overall incident categorization accuracy

>80%

Response relevance



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55%
year-over-year reduction in overall support tickets

200%
increase in user satisfaction & compliments

100% fast-track IT/AV support coverage via QR codes

10%
Reduced classroom support tickets with self-help portals

#### **NTU Shared Services**

Trailblazing a Digital Future



equipped to handle the remaining human interactions with confidence, empathy, and skill.

**Foundation for Excellence:** Supports overall service quality improvements & contributes to high Customer Satisfaction (CSAT >90% for related services).

