



How Broadcom Improved Acoustic Performance in R&D Labs

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PRECISION WORK REQUIRES QUIET

In R&D labs, precise measurements and focused work are essential. High ceilings and reflective surfaces caused echo, interfering with tasks and team collaboration.

IDENTIFYING ACOUSTIC CHALLENGES

- Prolonged reverberation in labs
- Noise affecting precision engineering tasks
- Inconsistent acoustic performance across different lab areas

TARGETED ACOUSTIC CEILING BAFFLES

- Installed at reflection-prone areas
- High NRC materials absorbed mid- and high-frequency noise
- Coordinated with lab schedules to avoid disruption

CONSISTENT ACOUSTIC ENVIRONMENT

- Significant reduction in background noise
- Enhanced focus and collaboration among engineers
- Consistent acoustic performance across labs
- Minimal impact on operations