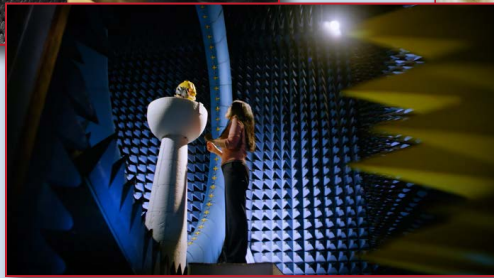
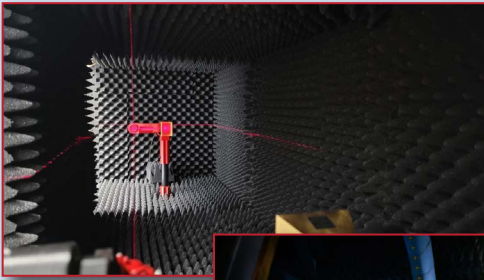


FAB\$ and LABS

WRC Technologies: Transforming Communities Through Sociotechnical Solutions



Erard James Hayes founded the independent, nonprofit research institution WRC in 2010. Formally known as Wireless Research Center

of North Carolina, WRC has become a technical center of excellence for applied research, engineering and certified testing. WRC has three initiatives – WRC Technologies, RIoT and DigitalBridge. WRC Technologies is a leading provider of strategic engineering services focusing on antenna, RF and wireless technologies from small wearable devices to high-reliability wireless systems. Because they do not require a share of jointly developed intellectual property, WRC Technologies fosters collaboration between industry, academia and research on a global scale. RIoT focuses on creating a collaborative ecosystem for companies from single-person startups to multi-national corporations. DigitalBridge provides accessible technology and training to local communities.

WRC is headquartered in North Carolina. From this focal point, WRC makes a global impact by developing IP and encouraging collaboration between industry, government and academia. WRC Technologies contributes to all stages of development from initial concept to high volume production. The engineering services include RF and antenna design, simulation, prototyping, verification, optimization and testing. WRC Technologies has a broad range of wireless engineering expertise, including IoT, consumer electronics, healthcare, industrial, telecom, aerospace, government and public safety. Supported technologies include mmWave, satellite and other communication protocols.

To support the design and testing for the various sectors, WRC Technologies offers engineering and measurement up to 60 GHz for 3D antenna pattern and benchtop testing. WRC Technologies supports development and certification testing and is A2LA/ISO:17025 accredited

for IEEE STD 149, CTIA authorized test lab for OTA radiated performance and VZW accredited test lab for OTA radiated performance. WRC Technologies can also perform pre-check testing for regulatory requirements to evaluate performance and optimize before certification. Co-located engineering and testing allow for real-time optimization at critical times in development.

DigitalBridge, a workforce development initiative of WRC, is designed to close the digital skills gap by providing accessible technology training and career development services to underserved communities. DigitalBridge offers participants mentorship, coaching and job search assistance. DigitalBridge partners with businesses to design targeted training programs that align with current labor market demands, equipping participants with the digital competencies required to access local and remote employment opportunities.

In addition to these projects, WRC's RIoT has created a unique industry consortium focused on the IoT marketplace and other sectors. The sponsors and participants cover a wide range of markets and company sizes, allowing for collaboration and partnership to enable innovation. RIoT runs accelerator programs that help entrepreneurs and startups scale up emerging technologies and drive innovation for large industry players. The education and mentorship for the startups support getting a higher percentage of companies past the "technology valley of death" to grow into a sustainable company.

For 15 years, the Wireless Research Center has supported the growing connectivity industry and brought new technologies to fruition. Through WRC Technologies, DigitalBridge and RIoT, WRC continues transforming communities through sociotechnical solutions.

<https://wrc-nc.org/>