

Smart Classroom & EdTech Deployment

Education is evolving rapidly, and the classroom of today is no longer defined by chalkboards and static lectures. We design, supply, install, and support complete smart classroom and EdTech ecosystems that make teaching exciting, learning immersive, and administration effortless. Our mission is to empower institutions with future-ready learning spaces that bridge the gap between traditional methods and modern digital innovation.

Complete Smart Learning Solutions

Our solutions span every aspect of the modern classroom:

1. Language Laboratories (Fully Interactive)

We provide 30–100 seat configurations with teacher consoles and student booths, equipped with digital audio-visual systems, individual headsets, and recording capabilities. Students can engage in pair or group conversation modes, while teachers leverage native-speaker content, pronunciation software, and real-time assessment tools. Integration with Learning Management Systems (LMS) ensures seamless homework assignments and progress tracking.

2. Learning Management Systems (LMS)

We deploy platforms such as Moodle, Canvas, Google Classroom, or fully customized solutions. These systems support mobile apps, offline access, and SCORM-compliant content. With automated grading, attendance tracking, plagiarism detection, and analytics dashboards, institutions gain powerful tools to streamline administration. Full training and three years of support are included to guarantee effective adoption.

3. Interactive Whiteboards & Display Solutions

Our classrooms feature 65"–86" 4K interactive flat panels from leading brands like Clevertouch, Promethean, and SMART. Ultra-short-throw projectors with finger-touch interactive surfaces, wireless screen sharing, and anti-glare, anti-bacterial glass ensure durability and usability in Nigerian conditions.

4. Student Response & Engagement Systems

We enhance participation through clickers, handheld response devices, or BYOD mobile apps. Live quizzes, polls, word clouds, and gamification modules boost engagement, increasing student participation by up to 80%.

5. Virtual & Hybrid Classroom Infrastructure

Our solutions include pan-tilt-zoom cameras with auto-tracking, ceiling microphones, and studio-quality audio. Integration with Zoom, Microsoft Teams, Google Meet, or BigBlueButton enables hybrid learning, while lecture capture systems automatically upload content to the LMS.

6. Complete Classroom Hardware & Furniture

We supply teacher podiums with built-in PCs, document cameras, and control panels, alongside ergonomic student furniture and height-adjustable desks.

Solar/inverter backup systems ensure uninterrupted learning, while structured cabling and Wi-Fi 6 access points provide reliable connectivity.

7. Distance & Blended Learning Platforms

Institutions benefit from fully hosted cloud or on-premise solutions, virtual lab software for science and engineering, and digital content creation studios equipped with green screens, lighting, and teleprompters.

Our approach is built on trust, expertise, and impact. Institutions choose Midach because we deliver turnkey execution, handling design, civil works, electrical upgrades, supply, installation, testing, and commissioning. We combine local expertise with global standards, ensuring all equipment is tropicalized to withstand heat, dust, and power fluctuations.

We also provide budget-friendly options, ranging from entry-level to premium setups, with flexible leasing and grant-friendly packages. Training and change management are integral to our process, with intensive programs for lecturers, ICT staff, and student orientation. Post-installation support includes a comprehensive 3–5 year warranty, annual maintenance contracts, and a 24/7 helpdesk.

Smart classrooms are not just about technology; they are about transforming education into an engaging, efficient, and future-ready experience. At Midach, we are committed to building learning environments that inspire students, empower teachers, and strengthen institutions. From chalkboards to immersive digital ecosystems, we are redefining education for the 21st century.



Recently delivered smart language laboratory center at Federal University of Education, Pankshin, Plateau State, Nigeria