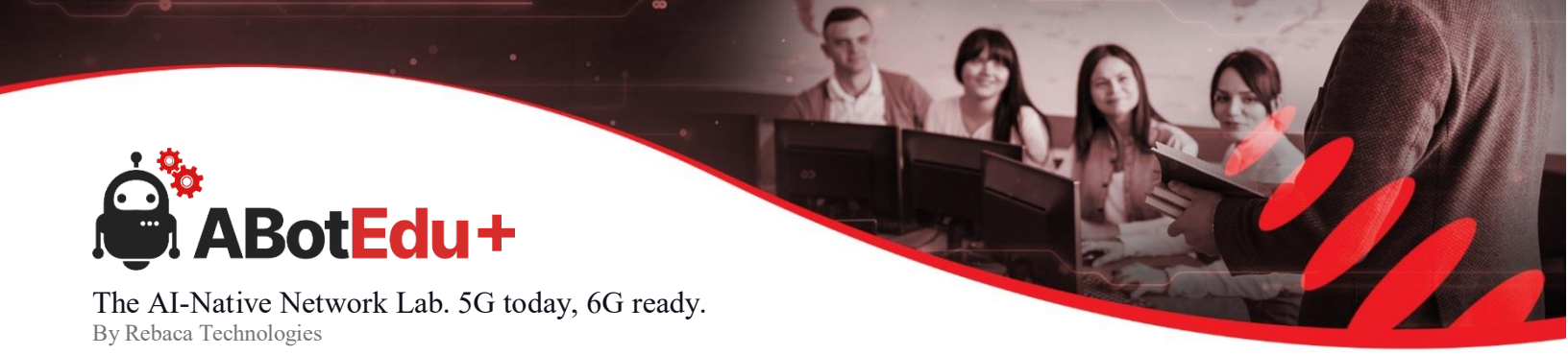
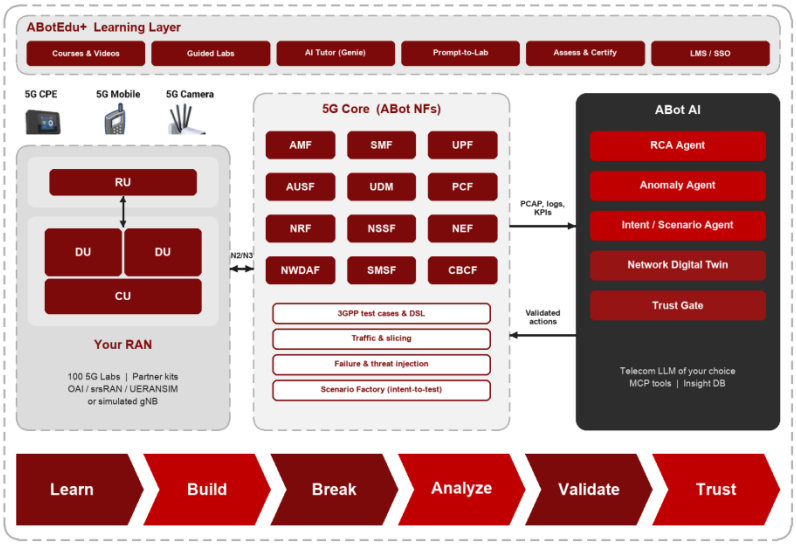


ABotEdu+

The AI-Native Network Lab. 5G today, 6G ready.

By Rebaca Technologies

ABotEdu+ is an AI-Native Network Lab for universities, centres of excellence and telecom teams. It brings together ABotEdu for structured learning and guided labs, ABot for real 3GPP Core testing, and ABot AI for agentic root cause analysis. Learners don't just watch a call flow. They run it, break it, capture the PCAPs, logs and KPIs, and use AI to work out why it failed. No radio hardware or expensive server is needed, and if you already have a 5G lab, ABotEdu+ plugs straight into it and makes it intelligent.



ABotEdu+ runs on VMs, in the cloud or fully hosted. Learners configure 5G Core network functions, run 3GPP call flows, inject failures and analyze the resulting network data. They can turn a plain-English intent into test scenarios, train AI models on labelled fault data, and build their own AI agents on top of ABot tools. Network slicing, mobility, security threats and low-latency use cases can all be explored hands-on. The same platform grows with you, from 5G Core basics today to the intent-driven, AI-native Core work emerging for 5G-Advanced and 6G.

Key Advantages

Real Industry Tooling

- Built on the ABot 3GPP Core test tool
- Real PCAPs, logs and KPIs
- No-code, English-like test language

AI on Real Network Data

- Agentic RCA with ABot AI
- Labelled fault datasets for AI/ML work
- AI tutor and Prompt-to-Lab

Built for 5G-A and 6G

- Intent, Digital Twin and Trust labs
- Aligned with emerging 3GPP and ETSI 6G work
- 5G today, 6G ready

Easy to Adopt

- Browser based, hosted or on-prem
- Plugs into the 5G lab you already have
- LMS, assessment, certification

License and Engagement Model

Licensing that fits academic budgets: perpetual (with annual maintenance), time-based or usage-based. Hosted and managed options need no hardware investment, and hardware bundles are available through our partners. Choose ABotEdu+ Core for teaching labs, ABotEdu+ AI for universities and CoEs, ABotEdu+ 6G Research for advanced research labs, ABotEdu+ Enterprise for corporate cohorts, or start with a Faculty Development Programme.

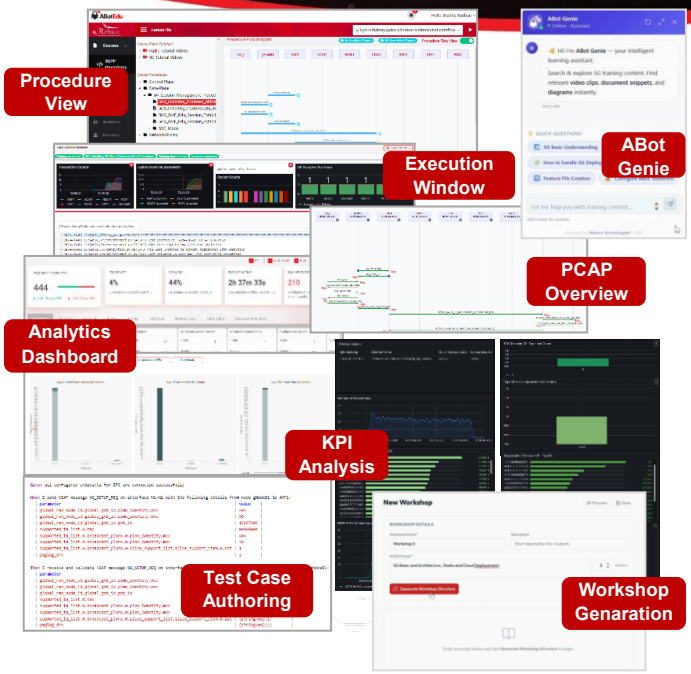
Features

- 5G Core Network Functions (ABot NFs) with 5G-Advanced analytics (NWDAF, NEF), and connectors to your own RAN
- Sample Call Flows: Functional, E2E, Performance, Slicing and Failure scenarios .

For any enquiry or more information please contact us at: **Email:** marketing@rebaca.com **Website:** www.rebaca.com

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- Result Analytics Dashboard: Explainable ladder diagrams with PCAP and Log overlay, and AI explanations linked to 3GPP clauses
- Execution Evaluation: Auto-check and grade executions using AI
- Intent Lab: Turn a plain-English intent into 3GPP-aware test scenarios, then verify them
- ABot Micro-Services and APIs: Cloud-native NFs and analytics with REST and MCP access for your own tools and AI agents
- Learning Management System: Faculty login, batches, exercises, report cards, certification, LMS integration and SSO
- **NEW** AI Agent Ops Lab: Diagnose faults with ABot AI agents, then build and evaluate your own
- **NEW** Network Data and ML Lab: Export labelled PCAP, log and KPI datasets with known faults for AI/ML assignments
- **NEW** AI Tutor (Genie) and Prompt-to-Lab: Personalised help, plus AI-generated workshops, labs and assessments mapped to your syllabus
- **NEXT** Digital Twin Lab, 6G Core Sandbox, Security and Trust labs



Unlimited Possibilities

AI-Ready Workforce Development: Build a pool of engineers ready for AI-driven 5G-Advanced and 6G networks, from Core basics to autonomous operations.

R&D of 5G and 6G-Ready Use Cases: Research and develop use cases such as video streaming, smart city, cyber security, intent-driven services and autonomous network operations.

Network Digital Twins: Model a network, run what-if changes and compare predicted against observed behaviour before touching a live network.

Bring Your Own RAN: Connect the 5G lab you already have (100 5G Labs, partner kits or OAI/srsRAN) and add Core automation, failure scenarios and AI on top.

Benchmarking and Troubleshooting: Benchmark, size and troubleshoot cloud-native 5G Core networks, working alongside AI agents that explain root causes.

AI/ML and Agent Development: Train models and AI agents on real PCAPs, logs and KPIs with ground-truth faults, and test whether their decisions can be trusted.

Learning Tracks

- **5G Core Foundations** (UG labs): 5G architecture, call flows, PCAP reading, no-code testing, slicing and security basics.
- **Network Data and AI** (UG/PG electives): KPI and anomaly analysis, ML on labelled fault data, AI agents for root cause analysis.
- **AI-Native and 6G Core** (PG, research, CoEs): 6G Core study directions, Intent, Digital Twin, AI Agent and Trust labs.
- **Autonomous Network Operations** (enterprise teams): AI-assisted troubleshooting, closed-loop automation and safe change validation.
- **Faculty Development and Train-the-Trainer:** hands-on FDPs with ready-made labs, assessments and an AI workshop planner.

Learn, build and trust AI-native networks with ABotEdu+. Run real 3GPP scenarios, generate network data, put AI agents to work, and get your students and engineers ready for what comes after 5G. Scan the code to see it in action.

About Rebaca Technologies

Rebaca Technologies is a niche solution provider in the Telecom and OTT video streaming domain. We deliver customized high-tech solutions & services to industry leaders. We provide software development and test automation and AI solutions and services in Video, 4G/5G and 6G-ready network domains.

For any enquiry or more information please contact us at: **Email:** marketing@rebaca.com **Website:** www.rebaca.com

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