

ACE Solution and PROSCEND Deepen AIoT Collaboration and Advance Agentic AI

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As AI applications continue to evolve, AIoT (Artificial Intelligence of Things) is moving beyond basic connectivity and data collection toward intelligent applications capable of autonomous decision-making, real-time response, and cross-system collaboration. ACE Solution and PROSCEND are deepening their technology collaboration, expanding from 5G, AIoT, and smart healthcare integration to Edge AI, Agentic AI, and AIoT Orchestration. Together, the two companies are advancing AIoT from simply “seeing the data” to systems that can understand, decide, and act.

PROSCEND CEO Alpha Chen noted that AI development is gradually shifting from data center infrastructure toward the application layer, where future growth will increasingly come from vertical applications tailored to specific industry needs. Compared with centralized AI, Edge AI must address not only computing performance, but also cost, power consumption, thermal management, model optimization, and domain-specific models to enable AI deployment across diverse environments. Against this backdrop, Agentic AI is emerging as an important next step for AIoT. Unlike conventional AI, which primarily focuses on analyzing data and delivering insights, Agentic AI extends these capabilities to monitoring, decision-making, execution, and logging, enabling systems to

respond to real-time conditions and take action. For example, when an abnormal event occurs during the early hours of the morning, AI can respond in real time based on predefined policies and leave logs for IT teams to conduct further analysis. Combined with AIoT Orchestration, users will be able to interact with management platforms through natural language, while AI helps analyze information and coordinate different systems, enabling AIoT to move from reactive operations and maintenance toward proactive management.

Beyond intelligence, resilience is also becoming increasingly important for large-scale IoT deployments. Chen noted that wide-area AIoT environments often face challenges such as “lack of visibility, connectivity, and control.” To address these challenges, PROSCEND’s O’smart architecture is designed to move toward “see, control, and protect.” The O’smart ICS Server serves as a key layer for cybersecurity and anomaly detection, identifying abnormal traffic and potential attacks to prevent threats from spreading. The O’smart SDN further enables control, detection, and network isolation to contain the impact of security incidents. The goal is not simply to protect an individual device, but to maintain the continuous operation of the overall AIoT network. For example, in a network with 1,000 IoT nodes, if one node is compromised, the affected device can be isolated first while the remaining 999 nodes continue operating as normally as possible. Subsequent detection and recovery processes can then further reduce the overall impact on the network. With the future integration of Agentic AI into O’smart GENI, the system will further evolve from human-led decision-making toward AI-assisted decision-making and real-time response, enabling AIoT environments to become more proactive, controllable, and resilient.

AIoT spans multiple domains, including connectivity, AI, cybersecurity, devices, and vertical applications, making cross-industry collaboration essential. ACE Solution has long focused on cross-domain technology integration, connecting partners across communications, testing, AI, IoT, and vertical applications to move beyond standalone solutions toward integrated applications. The collaboration between ACE Solution and PROSCEND has also evolved from early 5G and AIoT integration toward smart healthcare and cross-domain applications. One example is the smart ambulance. In the future, an ambulance will serve not only as a means of transporting patients to a hospital, but also as a connected medical platform capable of transmitting real-time data. Physicians, paramedics, and healthcare systems can gain earlier access to patient information, while AI-assisted decision-making and intelligent dispatch can enable real-time coordination across pre-hospital, in-hospital, and cross-institutional care. ACE Solution’s capabilities in AI, healthcare applications, and system integration complement PROSCEND’s expertise in 5G, Edge AI, connectivity, and cybersecurity, creating opportunities for broader AIoT applications.

Alpha Chen noted that the name PROSCEND is derived from “Profession × Ascend,” representing professionals from different fields working together and growing together. This philosophy reflects the cross-domain collaboration required to advance AIoT. Through its “Together We Ascend” strategy, PROSCEND aims to connect different areas of expertise and integrate connectivity, AI, cybersecurity, and vertical applications into comprehensive solutions.

Looking ahead, ACE Solution and PROSCEND will build on their “5G + AIoT” collaboration and further advance toward AIoT Orchestration, integrating Edge AI, Agentic AI, real-time connectivity, and cybersecurity to enhance autonomous collaboration and system resilience. The two companies will continue expanding from smart healthcare into applications including smart cities and Industrial IoT, with ACE Solution playing a continued role in cross-domain integration and ecosystem collaboration alongside PROSCEND and other technology partners to accelerate the deployment of AIoT applications.