P.IWORKS

P.I. WORKS
EVO
PLATFORM™

Automation and Management Platform for Hybrid Open RAN Networks and Services

Service Management and Orchestration for Superior Customer Experience

P.I. Works EVO Platform is a comprehensive solution designed to automate and optimize the management of hybrid Radio Access Network (RAN) services in large-scale mobile networks. It offers a unified platform for network elements and service provisioning, activation, orchestration, and management, enabling mobile network operators (MNOs) to improve operational efficiency, reduce costs, and accelerate RAN service delivery.

Key Capabilities & Benefits

— **Single point of zero-touch network management**, with its rich multi-vendor support and dynamic abstraction layer for hybrid purpose-built and Open RAN networks.

— Rich set of off-the-shelf **Automated Network and Service Management applications** hosted by the platform minimizes data duplication and provides cost efficiency.

— **Consolidated data mediation and provisioning platform** services allowing easy extension with custom in-house or 3rd party automation use-cases as well as adopting existing use-cases from the marketplace.

— **Improved Operational Efficiency** via automation and streamlining RAN service management processes, reducing manual intervention, and transforming operation processes.

— **Native support for cloudRAN/vRAN** address increased complexity challenges and enable continuous improvement of subscriber experience.

— **Integration and Extensibility** provided through a rich and extended set of open APIs and standard interfaces that enable integration with third-party systems and tools, as well as customization and extension of the platform functionality.

— **Ultimate Observability and Programmability** of the networks and boost innovation through **Advanced Implementation of RAN Intelligent Controller (RIC)** and ubiquitous set of SMO Abstraction APIs.

— **Improved Agility and Flexibility** allows to quickly adapt to changing market demands and customer requirements, enabling business agility and flexibility.

Enable Intelligent Network Automation and Accelerate Open RAN Adoption

EVO Platform offers a rich set of consolidated infrastructure, data management and abstraction microservices powering the wide variety of industry-standard network management applications and automation use-cases.

Key Features

- **RAN Service Automation and Orchestration:** End-to-end orchestration of RAN services, including radio network planning, configuration, optimization and assurance.

- **Real-time Quality Assurance with anomaly detection capabilities:** Proactive detection and resolution of network issues, minimizing downtime and improving availability.

- **Standardized Design and Development environment** for rapid application development, validation and onboarding APIs, application/use-case specific lifecycle management.

- **Open AI Engine:** Generic AI Engine microservice with pluggable architecture allowing connection to custom AI-models and algorithms as well as 3rd party MLOps platforms.

- **Rich set of interfaces for 3rd party integrations:** external enrichment data correlation capabilities with diverse third-party data sources via variety of industry-standard connectors.

- **Ultimate Scale-out architecture:** Management of networks beyond 1M cells within single instance with cloud-native deployment options.

- **Standards Compliance and Continuous Evolution:** Adaptive architecture of EVO platform with uncoupled components ensures its alignment with all existing and future standards of O-RAN Alliance and 3GPP.

Platform for Zero-Touch Network and Service Management

EVO platform is designed to help mobile network operators to accelerate the journey towards the Zero-Touch Automation for Superior Customer Experience and reduce the cost of disaggregated mobile networks.
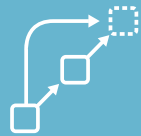
EVO platform offers following values

Value	
Accelerated RAN Service Delivery	✓
Improved Operational Efficiency	
Proactive Network Quality Assurance	
Unleash Network Programmability and Boost Innovation	
Increased Agility and Flexibility	
Seamless Transition towards Disaggregated Networks	
Network Data Democratization within Organization	

About P.I. Works

P.I. Works is a leading provider of AI-driven mobile network planning, management and optimization solutions. P.I. Works combines field-proven expertise with a commercially available product portfolio and services. These solutions enable Mobile Network Operators to accelerate Open RAN Adoption and improve network quality. P.I. Works has deployed its solutions at 70 mobile network operators in 48 countries.

For more information, please visit
http://www.piworks.net/products
or send an e-mail to marketing@piworks.net

... Enable Automation for
Superior Customer Experience

Automation Now and Forever

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