

5G network is not just another upgrade from 4G mobile networks. It is an evolution that will transform the business, industries, and our lives with the ability to connect billions of devices, deliver high bandwidth and provide extremely low latency.

Network slicing is the major part of this evolution to unlock the real potential of this new era. It empowers a service provider to onboard new and complex services from different industries and provides dedicated and secure networks with guaranteed service quality, reliability, latency and much more. With network slicing empowerment, the main role of service providers will be to provide powerful customer ecosystems, rather than being solely network providers.

Service providers with the brand new 5G capabilities will be the center of the new digital economy, providing customization experience at the network level. Hence, the customization must be constructed and presented with a slice-friendly infrastructure.

Etiya, targeting a seamless customization experience, has developed the “5G Intelligent Slicing Platform” that enables CSPs to offer flexible, AI-based slicing to monetize, manage and monitor their 5G ecosystem.

## Why Intelligent?

- Customer and network KPIs based recommendation.
- “Drag and Drop” slice creation with online service onboarding
- Anomaly detection & advanced security features
- Dynamic slicing with close loop automation
- Ability to understand customer’s intent and personalized offer mechanism
- Empowered with Etiya AI

5G Intelligent Slicing Platform is a sophisticated and easy-to-use solution. The platform’s open APIs and modular architecture enable service providers to support dynamic slicing without swapping entire existing BSS infrastructure and easily integrate with network services.

## Etiya “5G Intelligent Slicing Platform” provides;

- Partners’ requirements-based slice tailoring
- Flexible and the easiest slice generation with slice and offers creation environment
- Central lifecycle management of slice/service(s) and orders
- Ability to purchase, monitor and manage slice(s) by operator’s partners.
- Intelligent rule-based engine mechanism to generate offers/actions based on customer/ slice data
- Multi-domain infrastructure for zero-touch partnership
- Modular and microservice-based architecture
- Cloud-native platform using open API’s and delivering robust connectivity

## Benefits of using Etiya “Intelligent 5G Slicing Platform”

- Additional revenue generation via Network (Slice) as a Service Model and higher OPEX savings.
- Ability to monetize tailored services agilely.
- Customized deployments tailored to a variety of use cases.
- Faster time to market by online service onboarding, on the fly offer creation
- Opportunity for operators to provide guaranteed quality of service levels.
- Seamlessly integrated, effortless, flexible AI based offers
- Customer expectations’ fulfillment to enrich the ecosystem and deliver tangible business results.



## Use Case: A Global Tier-1 Operator

### AR&VR Gaming, Automotive Based Slices

#### Challenge:

- Network isolation, based on tenant/partner needs and requirements
- Capability to provide network slice-based business model
- Working with TM Forum Standards instead of Confined APIs in customer’s legacy network

#### Solution:

Etiya provided a set of the 5G enabled B/OSS products and executed PoC in 5G Lab environment on the cloud. The provided solution brings the required slicing capabilities and the following benefits:

- Network as a Service (NaaS) Business Model creation capability
- Slice Tailoring for any partner requirements intent-based environment
- TM Forum based OpenAPIs to orchestration layer (ONAP)