

Monetize

Differentiate

Be agile

## Saguna

## Open-RAN

In mobile networks around the world the average-revenue-per-user (ARPU) is eroding while network costs, driven mobile data and video consumption growth, continue to rise. Mobile operators are struggling to gain a competitive edge in this age of free over-the-top services.

Mobile Edge Computing (MEC), an ETSI standard, offers a powerful value proposition for mobile operator's business. The MEC platform enables mobile operators to differentiate their service, improve QoE, expand into new markets and generate revenues.

### Mobile Edge Computing Platform

Saguna Open-RAN is an MEC platform that creates an open ecosystem and long-term growth engine inside the mobile Radio Access Network (RAN), in close proximity to mobile users. The ETSI MEC standard-based solution enables mobile operators to quickly and effectively deploy new revenue generating services for Internet-of-things (IoT), Tactile Internet, virtual probes, content delivery and enterprise applications.

Saguna Open-RAN improves quality of experience (QoE) by providing web services with high-bandwidth, low-latency communication to mobile users and connected 'things'. With fully virtualized software architecture, Saguna's MEC platform enhances network agility and promotes the transition to network function virtualization (NFV) using cost-effective commercial-off-the-shelf (COTS) solutions.

## Mobile Edge Computing Platform



## Characteristics

- Low latency
- Broadband delivery
- Scalable & flexible
- Open & future proof

## Key Features

**Traffic Steering:** High granularity Traffic Offload Function (TOF) service steers individual packets to the relevant MEC applications.

**Application Management:** The registration service onboards MEC applications. It ensures that only certified applications are allowed and allocates the required MEC services to each application.

**Mobility:** Support 'follow the user' delivery to provide continuous local service to users on the move.

**Content Acceleration & Optimization:** DNS caching and Radio Network Information Service (RNIS) improve web content delivery by reducing latency, providing real-time cell congestion status and Radio Access Bearer information.

**Core functionality:** Support seamless integration with Charging and Lawful interception systems.

**Geo Targeting:** Indoor and outdoor location service promotes personalization.

