



# Optiva Charging Engine™

5G ready, real-time, converged, cloud-native charging solution optimized for the world's largest and fastest-moving telecom innovators.

## Key characteristics of Optiva Charging Engine:

- Fully converged charging for telecom and beyond.
- Mission-critical and proven technology.
- Highly scalable with cloud-native, available on private and public cloud.
- Embedded rating and policy control function.

## OPTIVA VALUE

Optiva three-layered approach to delivering value ensures that our customers enjoy a world-class product backed by modern technology and delivery options to suit our customers' requirements. We satisfy all your monetization needs.



### PRODUCT

Best-in-class product features for simplified and innovative monetization



### TECHNOLOGY

Cloud-native, open API gateway, centrally managed product



### DELIVERY

BSS in a box - Fully managed on private or public, golden disk, MVNO Hubs, partnerships

## Our Customers

Claro

m:tel

TELE2

TRUPHONE

VI!

vodacom

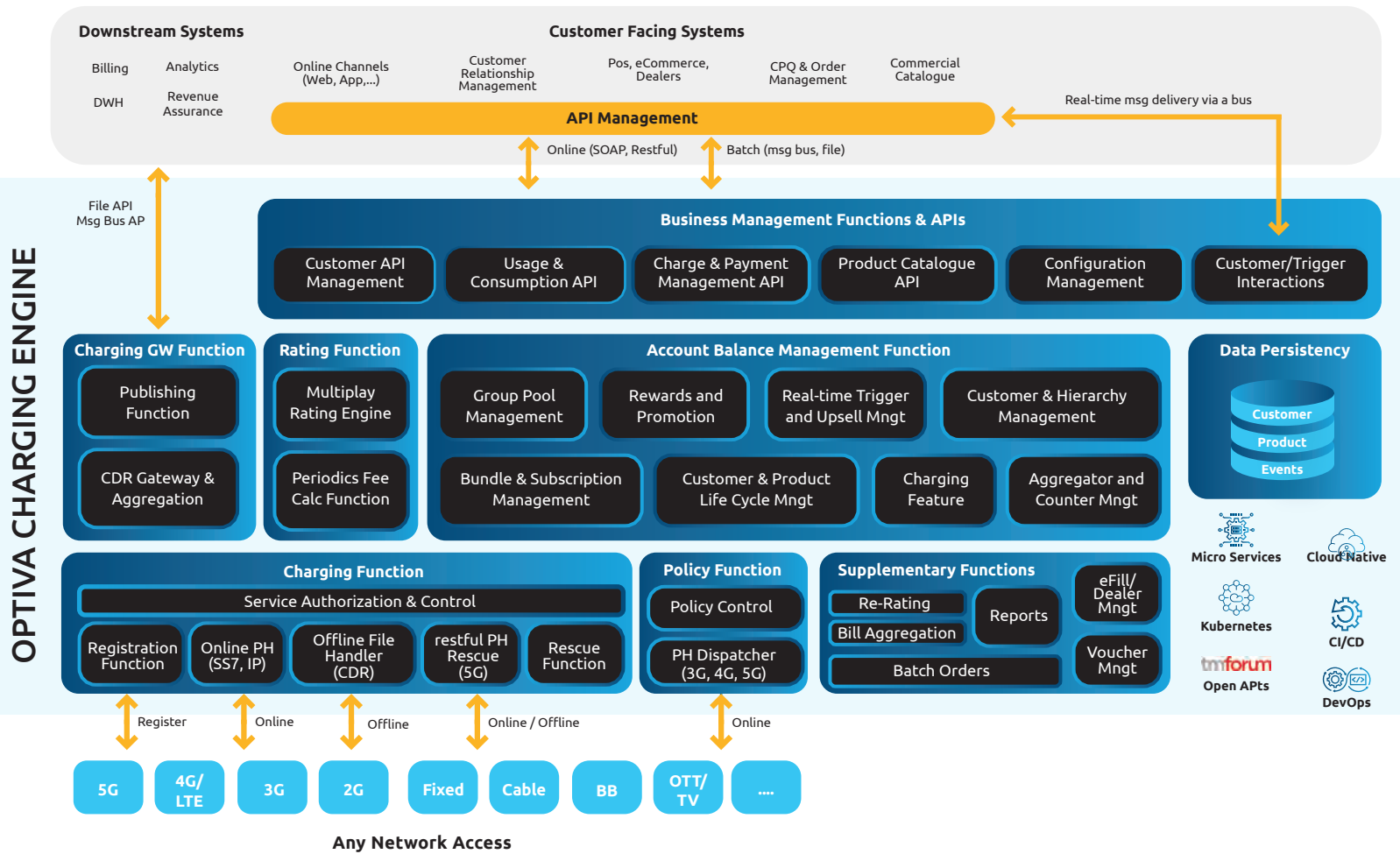
A1

BT Group

AFGHAN WIRELESS

عمانتل  
Omantel

# Product Architecture Overview



## Product Features

- Real-time multi-play charging backed by a universal data model to charge any attribute (SLA, bandwidth), any charging model (subscriptions, bundles, hierarchies), and any business type (mobile, TV, IoT, fixed, etc.)
- Extensive northbound (CRM, partner, wholesale, catalog, billing, payments, etc.) and southbound (EPC, IMS, 5G, IoT, CS, etc.) integrations and protocol support.
- Innovative out-of-the-box monetization capabilities with differentiated rating and charging for use cases, such as shared rating, promotions, periodics, roaming, intelligent upsell, multi-layer hierarchies, multi-service bundles, loyalty programs, and more.
- Business management functions and APIs for end-to-end customer management, product catalog, payments, and usage information.
- Payment management with paper voucher management, electronic vouchers, distributor management, and the payment gateway.
- Policy control function and other functions like re-rating, mediation, aggregation, batch orders, and more.



## Technology Stack

- ▶ Fully cloud-native software available on private and public clouds with CI/CD upgrades and updates
- ▶ API Gateway and real-time, closed-loop feedback with pre-integrated policy for new-age use cases, such as AI, ML, real-time analytics, and customer experience
- ▶ Centrally managed product focusing on productization versus customizations, SDLC best practices, site reliability engineering (SRE) approach for software delivery and maintenance, use of software automation, such as auto-healing, dashboards, alarms, 24x7 monitoring, etc.



## Delivery Models

- ▶ BSS in a box - Fully managed software with managed hosting on private or public cloud, managed application customizations, updates, and upgrades, and managed business operations for daily application management and upkeep
- ▶ Golden disk - Minimal viable product available for new greenfield entrants with OOTB and fully configurable plans and integrations, ready to launch in 90 days
- ▶ Strategic partnerships with Google Cloud, Microsoft Azure, Openshift, and VMWare
- ▶ Complete SaaS offering on the public cloud of your choice
- ▶ Optiva MVNO Hubs - Multi-tenant MVNO BSS hubs on Google Cloud with pre-integrated network APIs, wholesale billing, and additional payment services

## Example use cases of Optiva Charging Engine

Real-time  
5G charging  
- standalone  
and  
non-standalone



Tiered bundles,  
large hierarchies  
(B2C, B2B, IoT),  
shared allowance,  
and  
family plans



Multiplay - mobile,  
fixed, broadband,  
IoT, utility  
charging and  
rating



Beyond mobile  
and improved  
customer  
experience with  
real-time  
feedback loops

