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
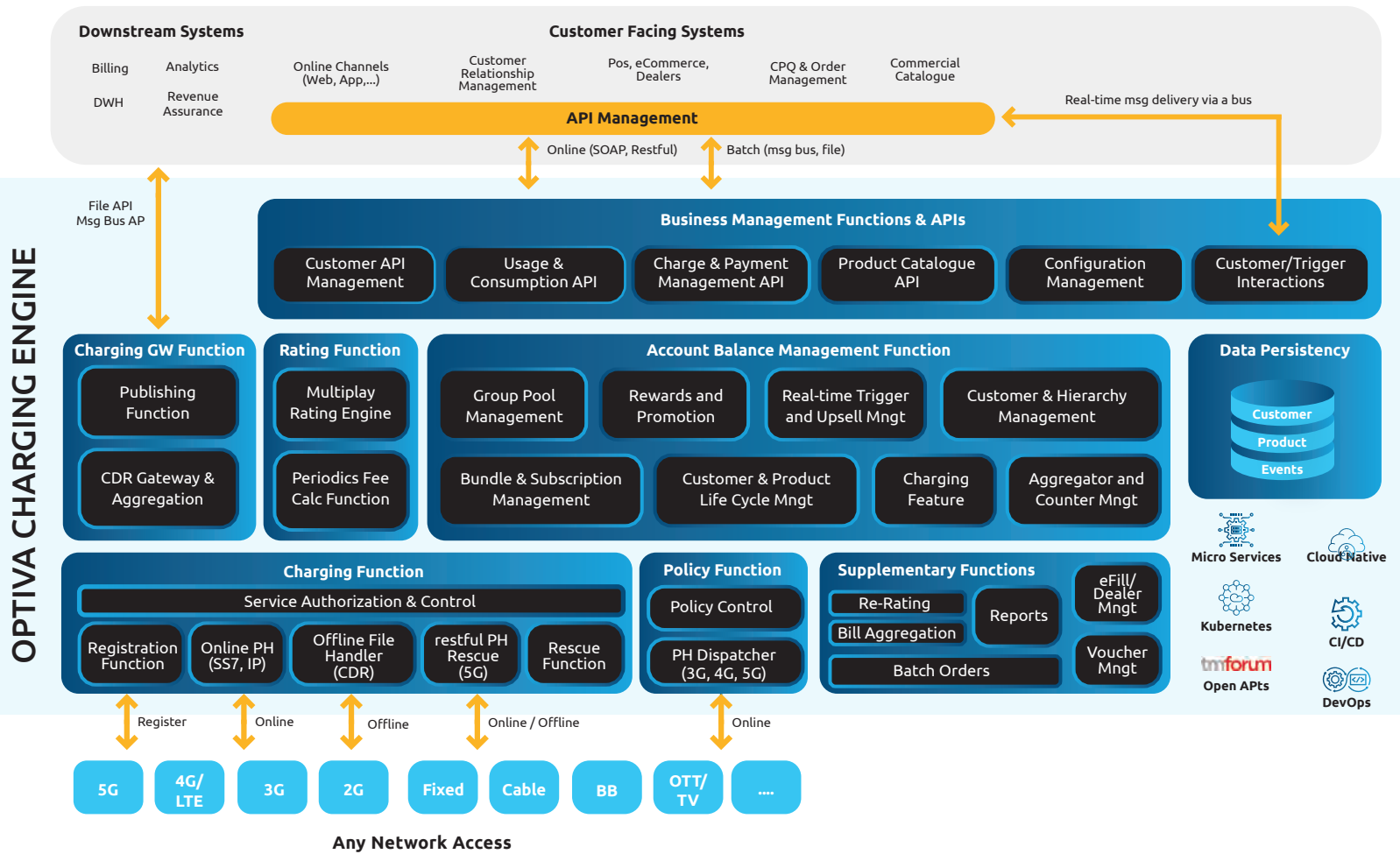
Our Customers

Claro   KDDI   m:tel   TELE2   TRUPHONE   Vi

vodacom   A1   BT Group   AFGHAN WIRELESS   Omantel

Product Architecture Overview

Downstream Systems
Billing
Analytics
DWH
Revenue Assurance

Customer Facing Systems
Online Channels (Web, App,...)
Customer Relationship Management
Pos, eCommerce, Dealers
CPQ & Order Management
Commercial Catalogue

Real-time msg delivery via a bus

API Management

Online (SOAP, Restful) | Batch (msg bus, file)

File API
Msg Bus AP

OPTIVA CHARGING ENGINE

Business Management Functions & APIs
- Customer API Management
- Usage & Consumption API
- Charge & Payment Management API
- Product Catalogue API
- Configuration Management
- Customer/Trigger Interactions

Charging GW Function
- Publishing Function
- CDR Gateway & Aggregation

Rating Function
- Multiplay Rating Engine
- Periodics Fee Calc Function

Account Balance Management Function
- Group Pool Management
- Rewards and Promotion
- Real-time Trigger and Upsell Mngt
- Customer & Hierarchy Management
- Bundle & Subscription Management
- Customer & Product Life Cycle Mngt
- Charging Feature
- Aggregator and Counter Mngt

Data Persistency
- Customer
- Product
- Events

Micro Services
Cloud Native
Kubernetes
CI/CD
tmforum Open APIs
DevOps

Charging Function
Service Authorization & Control
- Registration Function
- Online PH (SS7, IP)
- Offline File Handler (CDR)
- restful PH Rescue (5G)
- Rescue Function

Policy Function
- Policy Control
- PH Dispatcher (3G, 4G, 5G)

Supplementary Functions
- Re-Rating
- Reports
- Bill Aggregation
- eFill/Dealer Mngt
- Batch Orders
- Voucher Mngt

Register | Online | Offline | Online / Offline | Online

5G | 4G/LTE | 3G | 2G | Fixed | Cable | BB | OTT/TV | ....

Any Network Access

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-standalon

VI KDDI

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

A1 vodafone

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

Omantel TELE2

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

BT Group TRUPHONE

Optiva

www.optiva.com

Ready to accelerate your speed, agility, and partner monetization?
Let's talk — and we'll share a demo, too! **SCHEDULE A MEETING**