

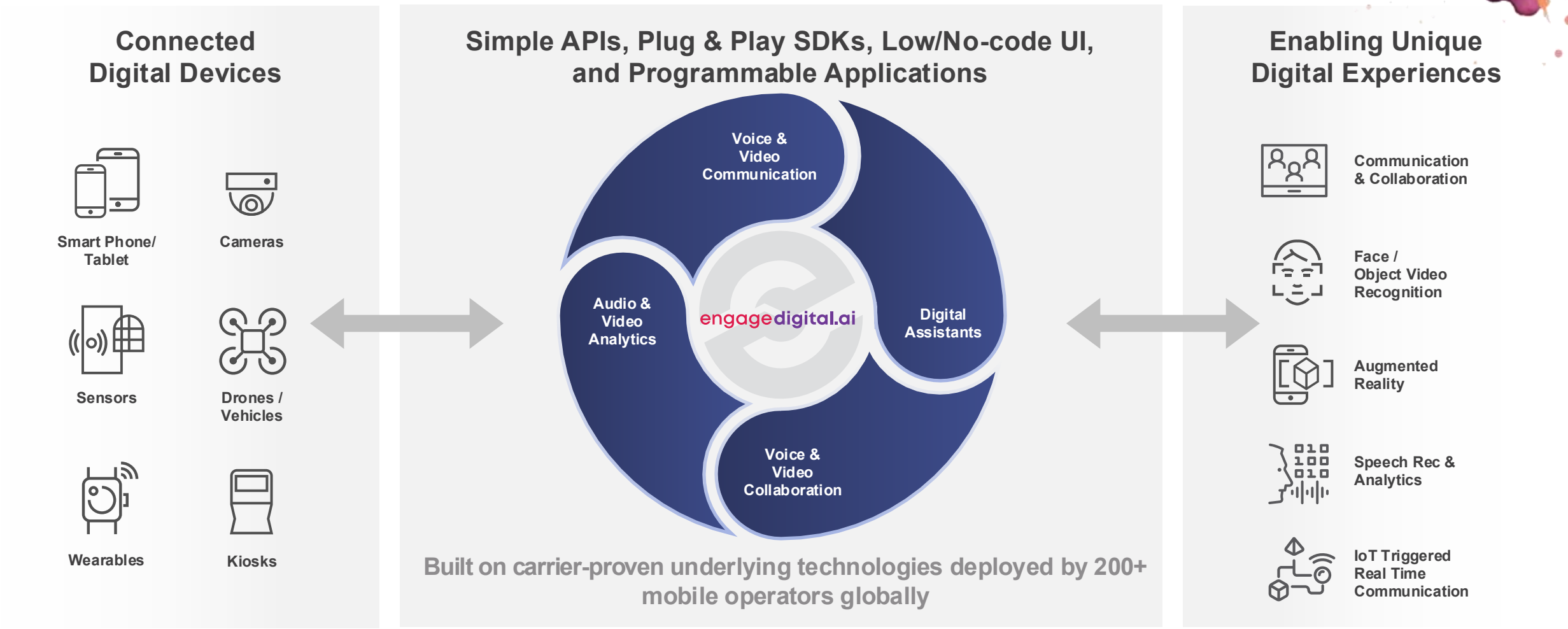


Communications and Digital Engagement Platforms



Engage Digital Platform

Converges the Power of Programmable Communications, Conversational AI and Computer Vision



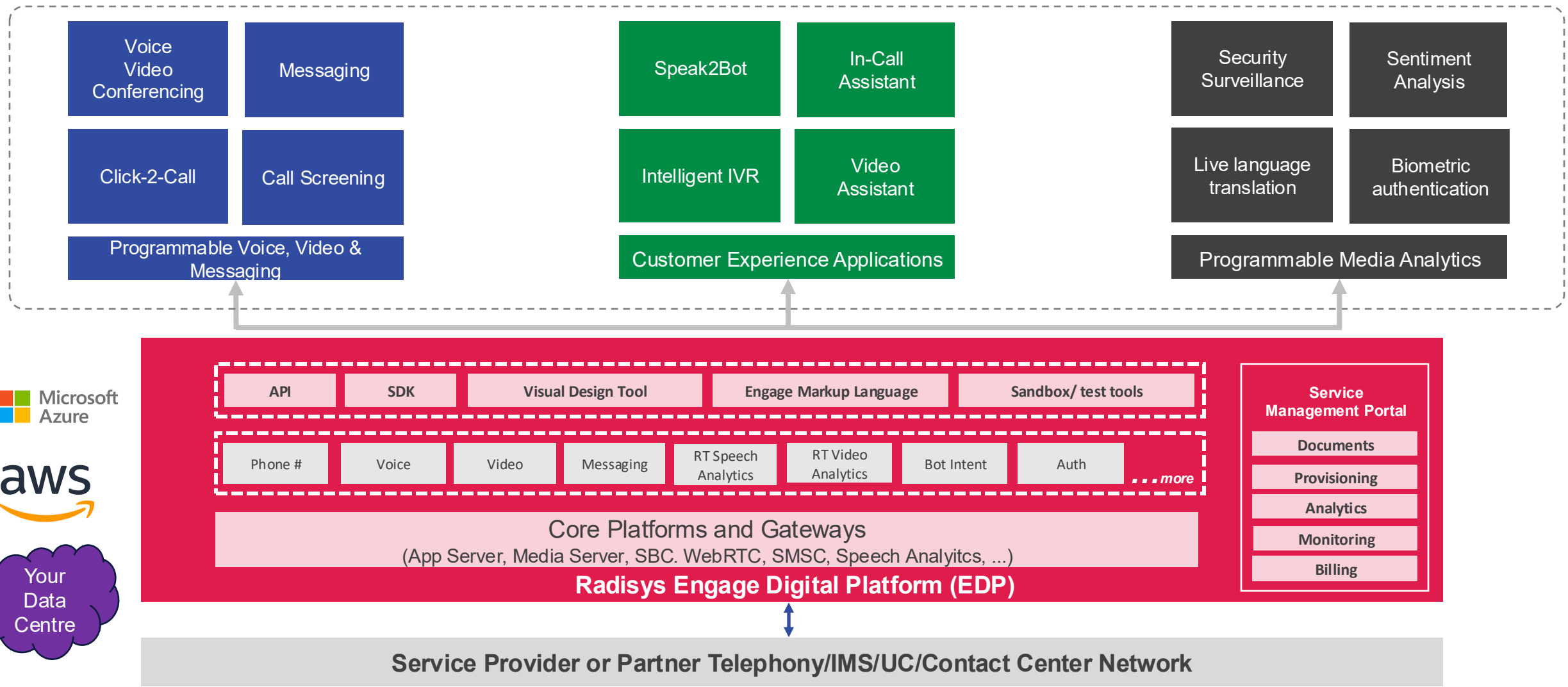
Accelerates Time to Revenue for Service Providers to Offer Innovative Digital Services

Engage Digital CPaaS Platform (EDP)

Programmable Communication & Digital Engagement



Multiple Monetization Opportunities

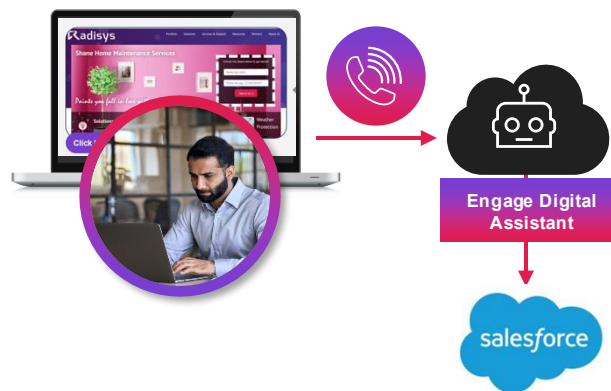


Radisys Engage Use Cases & Applications

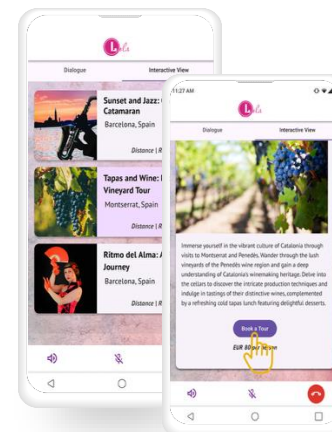
5G Network API and Computer Vision (Industry 4.0 use cases)



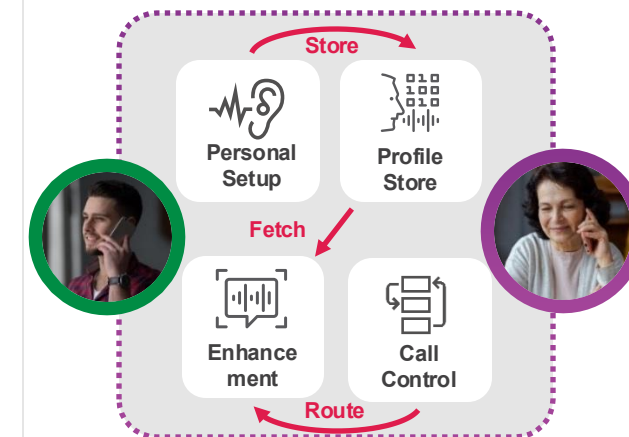
Gen AI based Digital Assistant



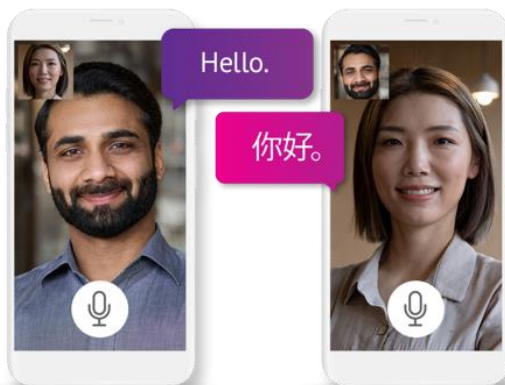
5G New Calling



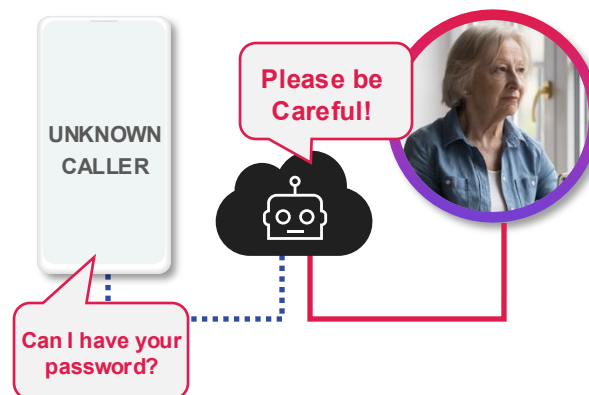
Clarity



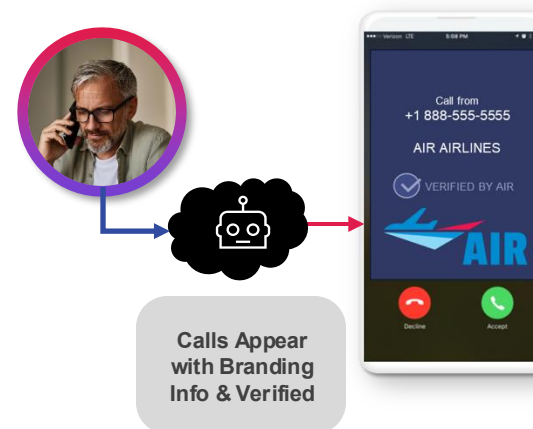
Live Call Translation



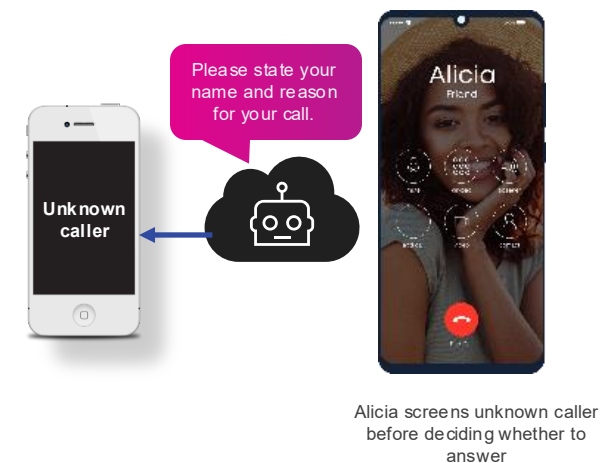
Intelligent Call Fraud Protection



Call Branding

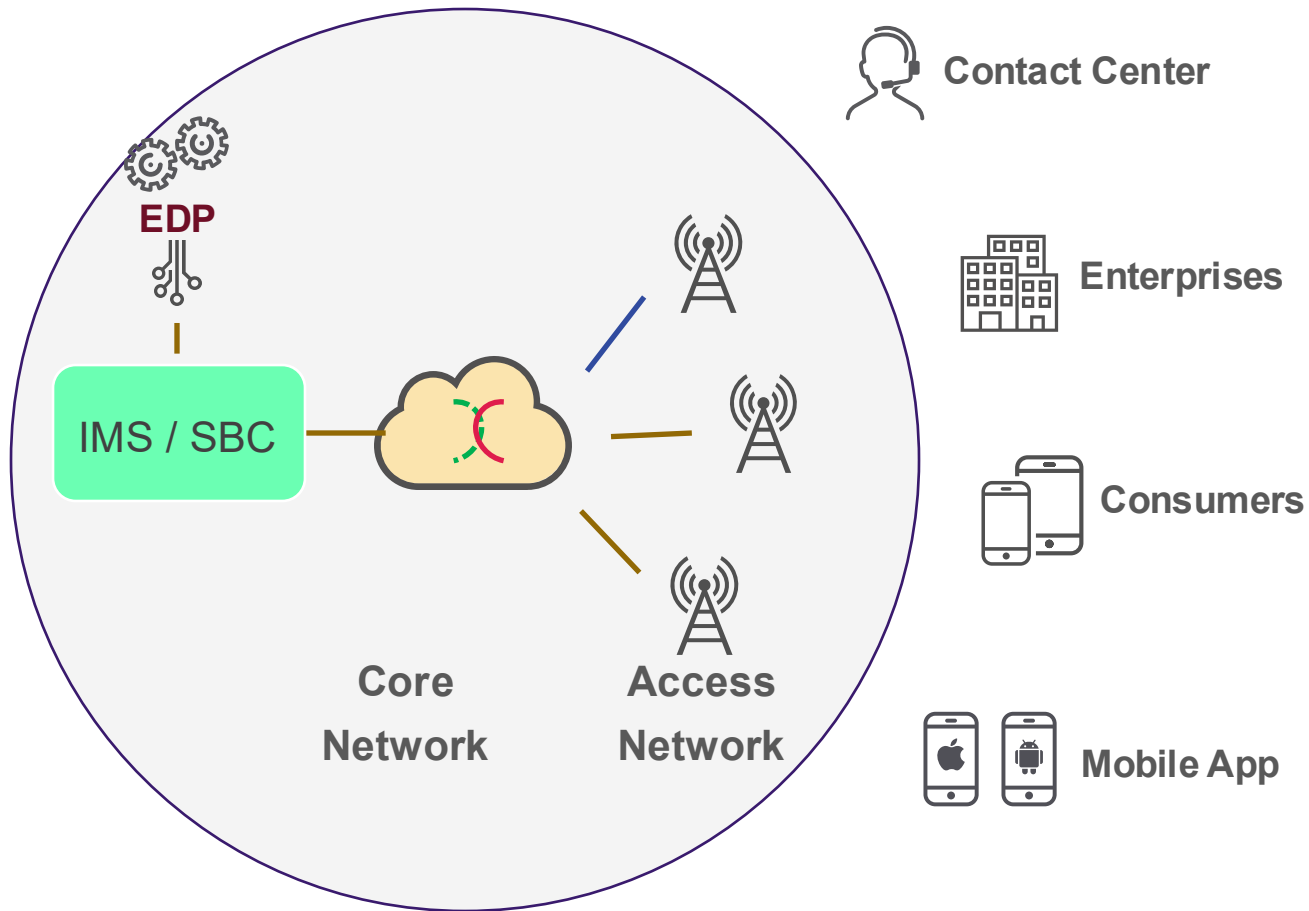


Call Screening

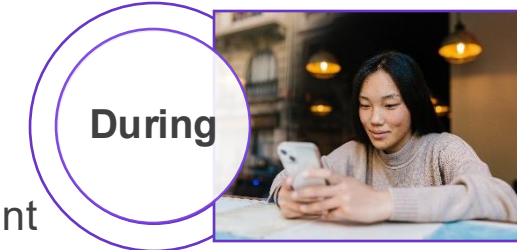


Engage Digital Platform

Revenue Growth and Network Monetization by Transforming Customer Journeys



- ✓ Fraud Detection
- ✓ Call Recording
- ✓ Clarity
- ✓ In-Call AI Assistant
- ✓ Live Translation





Live Phone Calls



Captioning via Video or Live link

- Real-Time and Accurate
- Support for 65+ languages
- Ease of Use through native dialer app
- Seamless integration
- Customize & white label
- Compatible with multiple communication platforms
- Flexible Hosting
- Cost-Effective



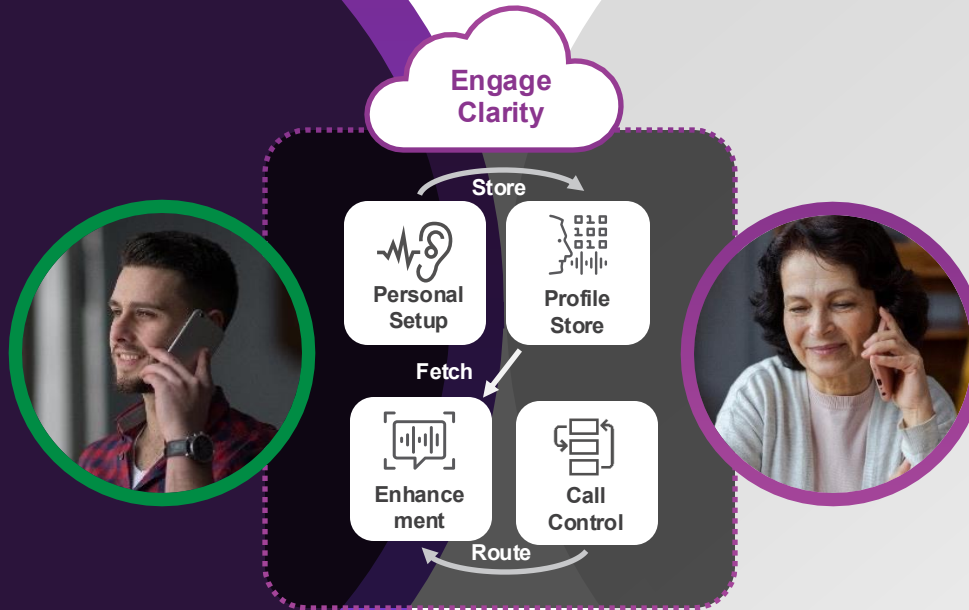


Calls are recorded for Quality Audits or compliance purposes

Recordings are posted to respective enterprises immediately after the call

ENGAGE CLARITY

Real-time voice call services for those with hearing loss



- ✓ Live call enhancement
- ✓ Personalize user profiles
- ✓ Integrated in Telephony Service Provider Network
- ✓ Large underserved market

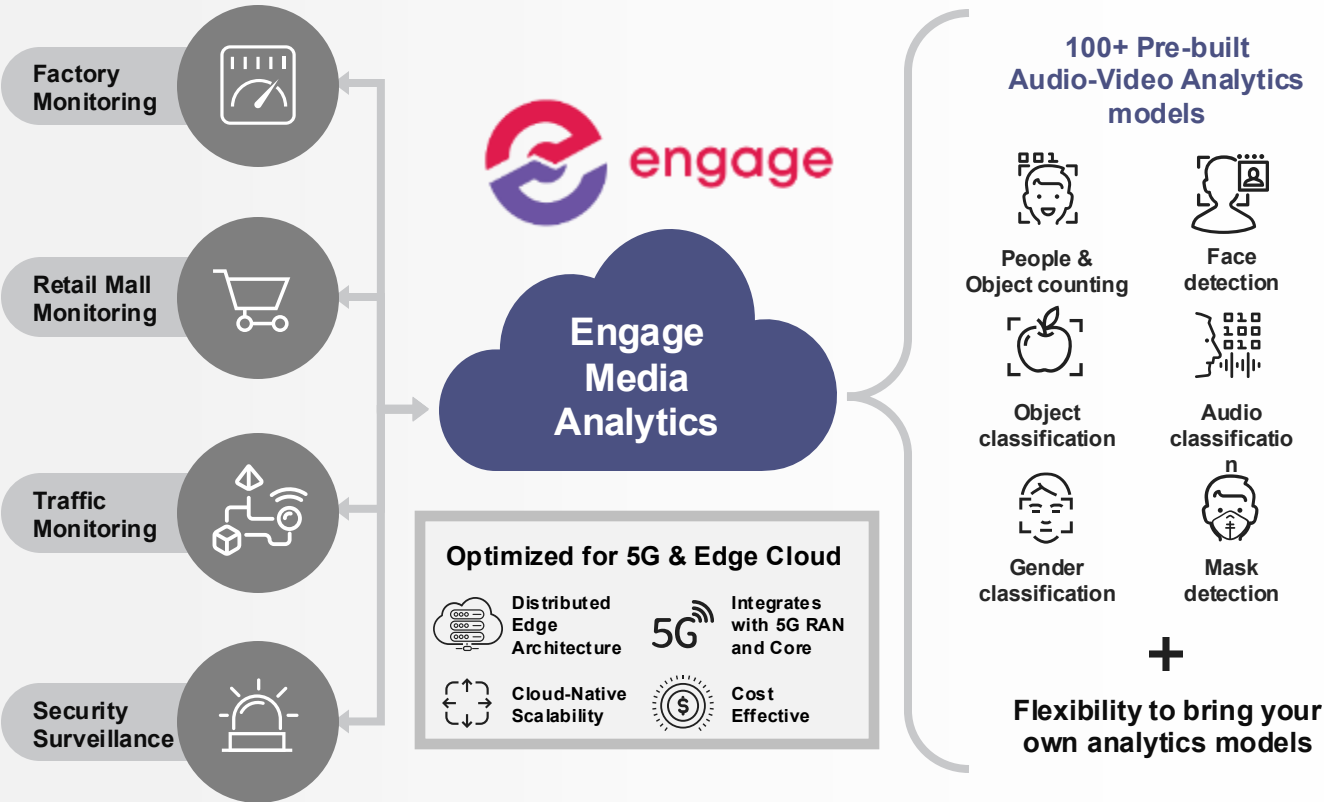
Engage Clarity connects people; it enables them to hear again and be heard

ENGAGE MEDIA ANALYTICS












Monetize 5G & Edge Cloud Investments

- ✓ Integrated Programmable Audio-Video Analytics & Communications
- ✓ Intuitive Low-Code/No-Code Visual Design Tool
- ✓ Open & Extensible Platform
- ✓ Data Privacy & Control

Programmable Computer Vision Analytics



Removes Complexities to Create and Scale Industry 4.0 Applications

| | | | | | |
|--|---|--|---|---|---|
|  Expedite Airport or stadium entry based on Face Match | Vertical Specific Digital Automation Applications | |  Monitoring Drive through lines for wait times and cars leaving for revenue loss analysis |  Monitoring Emotions of people in retail shop, classroom, stadiums, public meetings | |
|  Demographic Analysis of people (age, gender, sex) in crowded places |  Notifying Concierge when a guest in a wheelchair needs assistance | |  Notifying Assistant when an elderly at-home patient has fallen from the bed |  Augment Emergency call live agent discussion by identifying critical keywords or background sounds | |
| |  Detecting a Fire in a factory, campus building and alerting emergency services personnel |  Detecting a Gun Shot in a building and immediate alert law enforcement services | |  Monitoring Warehouse shelves for inventory management |  Identify Shopper traffic volume in retail aisles and send special deals/ coupons |

Programmable Low-Code/No-Code Video Analytics + CPaaS = Many Killer 5G Apps

ENGAGE DIGITAL ASSISTANTS

Let's add the human element to self-service automation with conversational and GenAI



Unique automated video engagements-Just like a live video call



Natural Conversational AI-based Customer Interactions



Integrates with Telephony, Web, and Mobile Apps



Automate Thousands of Interactions at a Fraction of a Cost



Intuitive & Programmable Low Code/ No Code Visual Design Tool



New Ways to *Engage* with Customers, Peers, and Family

Intelligent IVR

Conversational speech-enabled customer support
Speech-enabled e-Commerce integrated with CRM



Video Assistant

Video-based interactive conversational AI bots for brand and customer engagement



GenAI In-Call Assistant

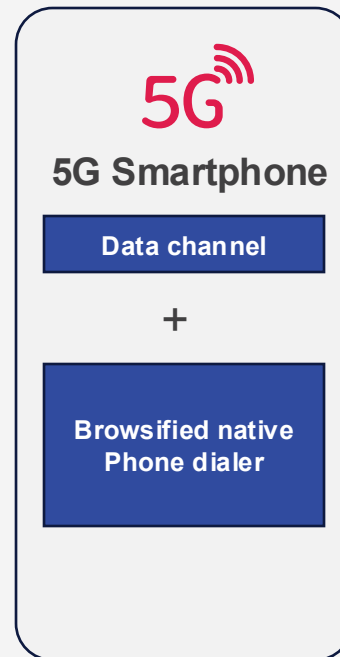
Personal Generative AI Assistant that you can add to any phone call to get an actionable summary of calls, automate tasks, answer questions on live calls, and more



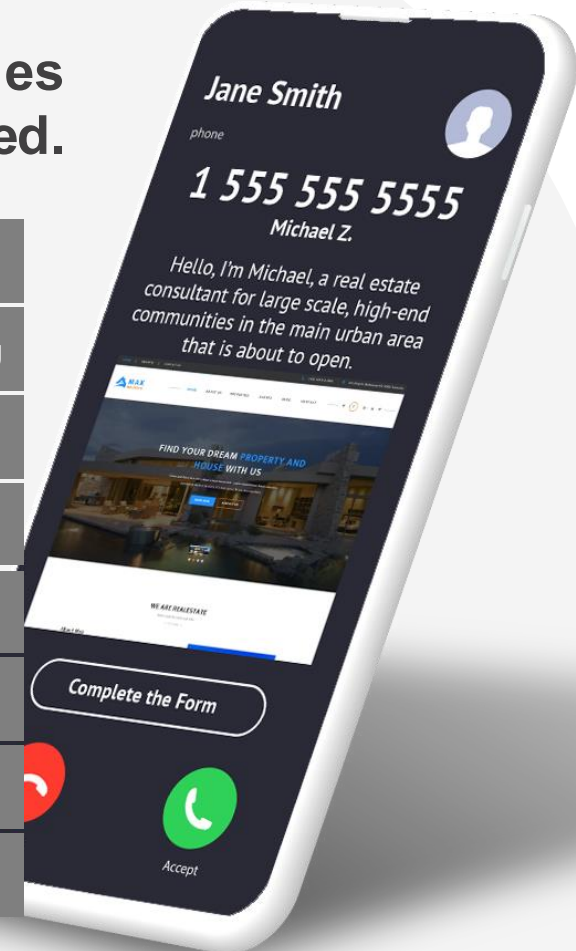
Voice & Video Enable Digital Customer Experience for Sales-Marketing-Customer Care

Make 4.3 Trillion
Calls Every Year **the
New Omni Channel**
for Customer
Interactions

Add interactive and sharing capabilities
to phone calls. No special apps needed.



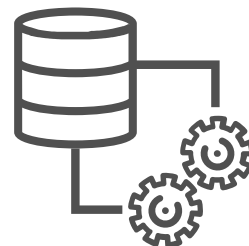
- In-call screen sharing
- In-call photo album sharing
- In-call co-browsing
- In-call co-editing
- In-call document signing
- In-call AR/VR
- In-call custom menus & UI
- Any other web feature!



Radisys Media Processing Leadership



World's #1 Media Server
with 70+% market share,
20+ years in media processing
business,
and 8M+ ports deployed



Dominant VoLTE Leadership
Powering Global VoLTE deployments



Award Winning
Engage Digital Platform & Apps
for Unique Digital Experiences



Winner of Showcase
Challenge



Highly commended for
best innovation



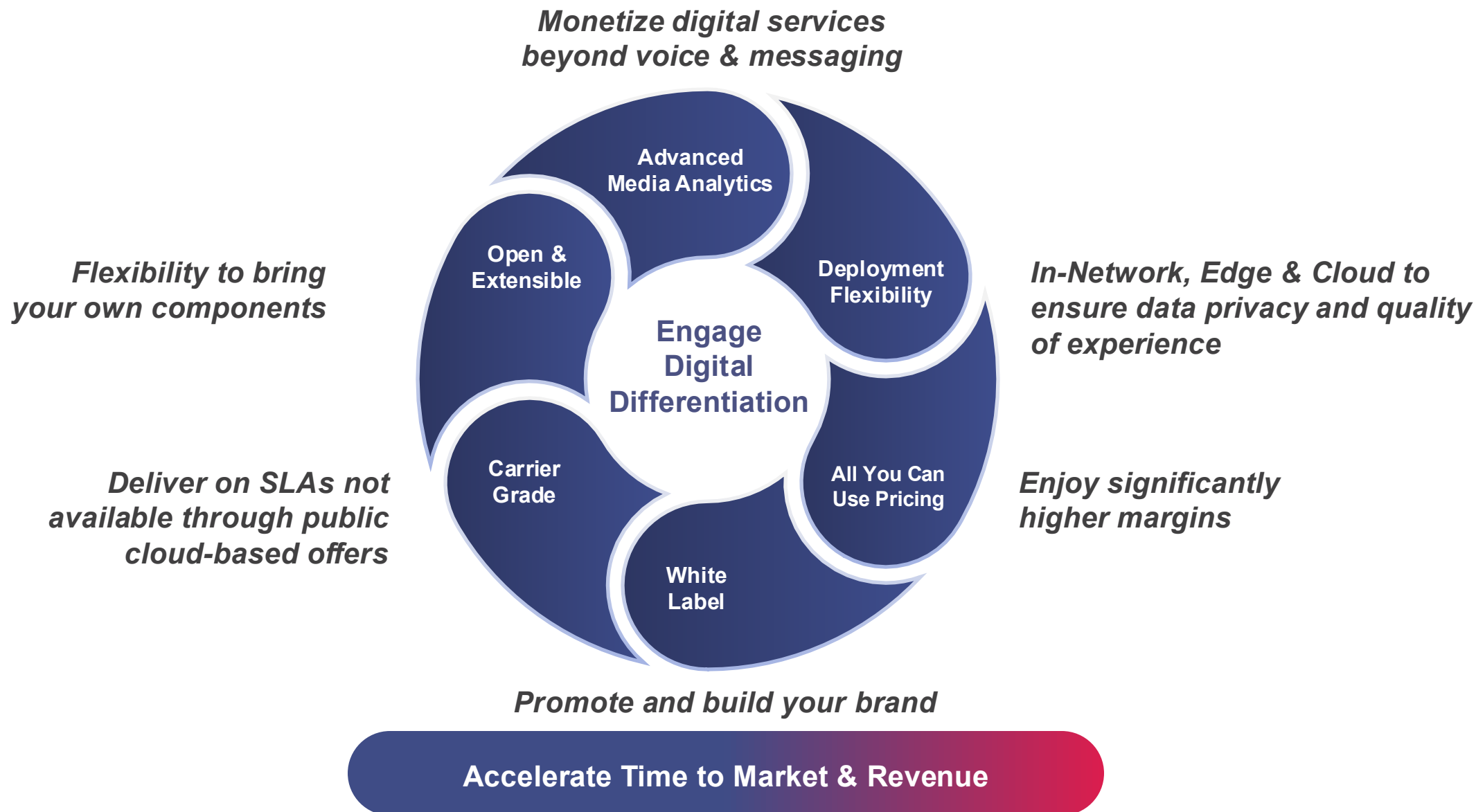
+ MORE

Selected partner by the
World's Best-known OEM
Telecom Vendors



Most Widely Adopted
Touching over 1.7B Subscribers ~
200 Operators







Media Analytics





Integrated Low-code / No-code audio analytics, computer vision, and programmable communications simplify development.

100+ Pre-Trained Models in EDP

Expedites solution development for monetizing video content

- Age & Gender
- Facial landmarks
- Face detection – standard & enhanced
- Face re-identification
- Head position
- Human detection – eye level & high-angle detection
- Human pose estimation
- Person detection & action recognition
- Person attributes recognition crossroad
- Person re-identification – ultra small/ ultra fast
- Identify someone from different videos – standard & enhanced
- Emotion recognition
- Identify roadside objects
- Vehicle detection
- Vehicle metadata
- License plate detection: small & front facing
- Pedestrian detection
- Pedestrian & Vehicle detection
- Detect People, Vehicles & Bikes
- Advanced roadside identification
- Landmarks regression
- Single image super resolution
- Text detection
- Retail environment
- Smart classroom use cases

Expedite Airport or Stadium entry

based on Face
Match

Automated attendance

system in offices,
schools, colleges,
shops, etc.

Monitoring Drive through

lines for
wait times and cars
leaving for revenue
loss analysis

Monitoring emotions

of people
in retail shop,
classroom, stadiums,
public meetings

Demographic analysis

of people
(age, gender, sex) in
crowded places

Notifying concierge

when a
guest in a wheelchair
needs assistance

Notifying assistant

when an
elderly at-home
patient has fallen
from the bed

Augment emergency call

live agent discussion
by identifying critical
keywords or
background sounds

Detecting a fire

in
a factory, campus
building and alerting
emergency services
personnel

Detecting a gun shot

in a building
and immediate alert
law enforcement
services

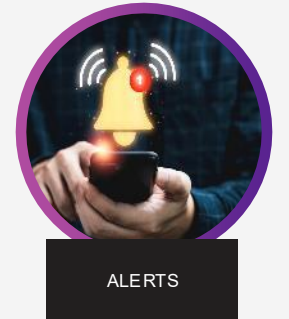
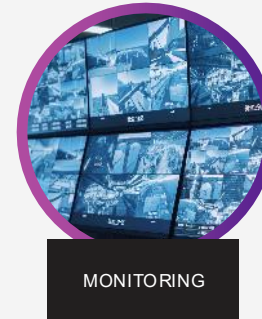
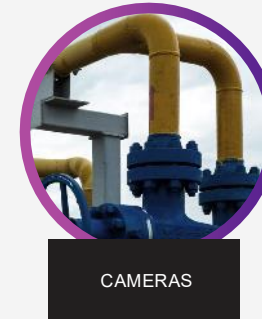
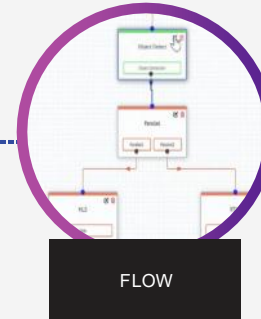
Monitoring warehouse shelves

for
inventory
management

Identify frequent shoppers

in retail
stores and send
special deals/
coupons

(based on Intel OpenVINO™ toolkit)



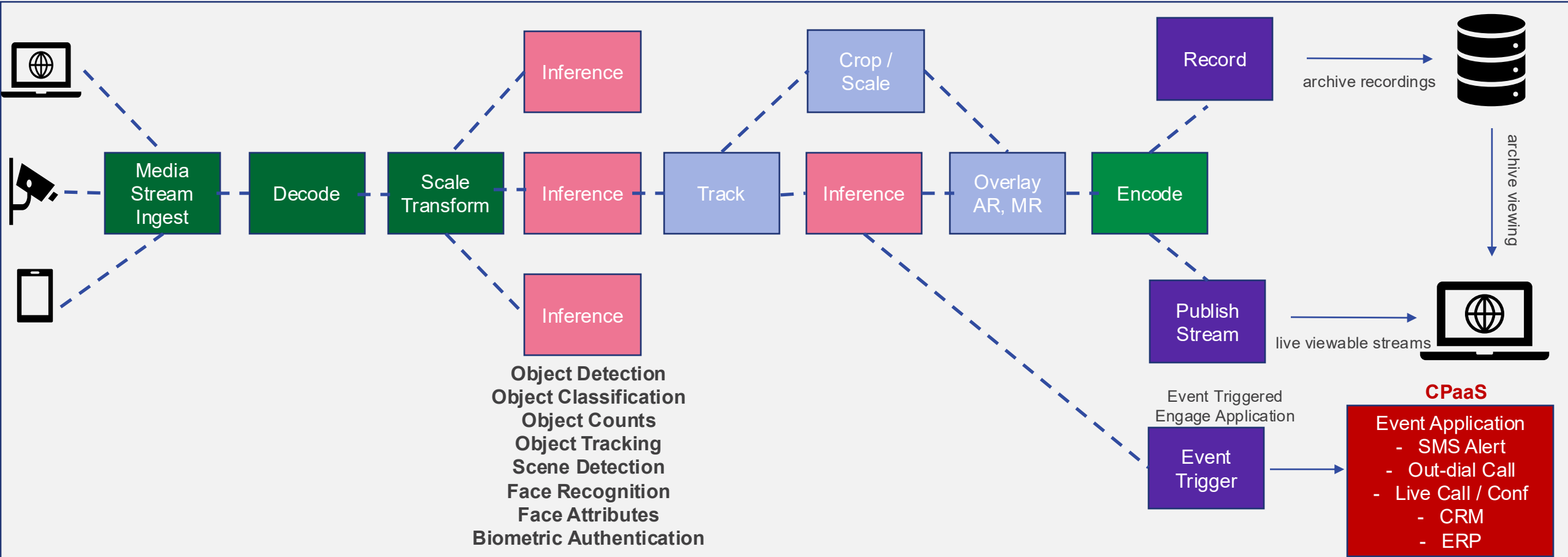
engagedigital.ai

***Setup Remote
Factory Monitoring
in 5 Simple Steps***



Eliminate Complexities to Implement Industry 4.0 Applications

Programmable Media Analytics (Computer Vision) Pipeline



Complete Application Solution (Mobile, Web, Network)

Programmable Media Analytics Applications APIs / SDKs

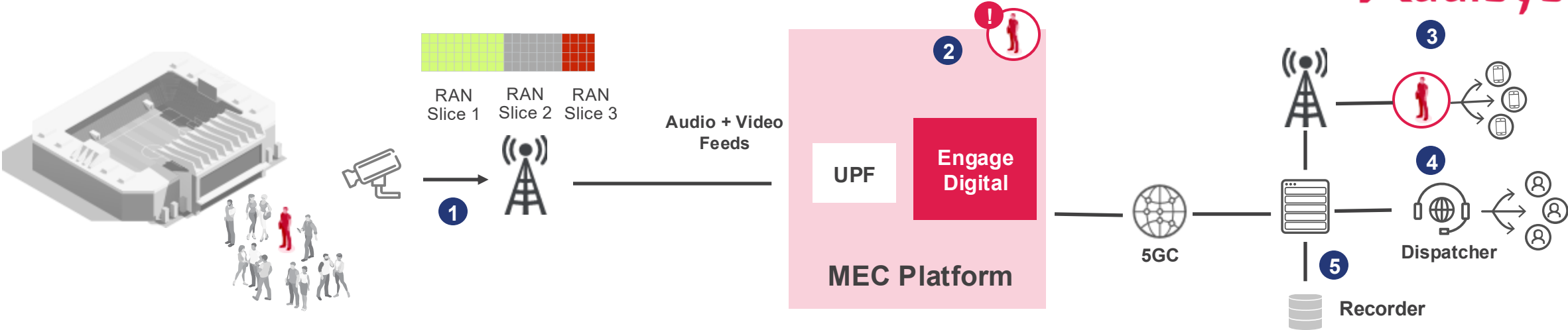
Ingest / Pre-process Multiple Streams, Multiple Endpoints

Apply Multiple Inference Engines sequential/parallel (Classification / Scenes)

Post-process Video (XR) and Live Stream Publishing

Event Triggered Application Biz Logic

Use Case: Predictive Surveillance



| | Use Case Elements | Engage Platform Functionality & Value |
|---|---|---|
| 1 | Cameras are mounted on key locations, which are networked and connected to the processing platform | |
| | Cameras capture and send videos for processing | Video processing in the network lowers device CAPEX and OPEX |
| 2 | Video is processed by the application layer for suspicious actor detection | Video processing on demand lowers cost |
| 3 | Images of suspicious actor are sent to mobile devices of the on the ground security teams | Messaging services via Engage increases flex and lowers cost |
| 4 | Communication channel is established between the on the ground security team and the centralized security team | Conferencing and exchanging messages via Engage increases flexibility and lowers cost |
| | Images, files are exchanged | |
| 5 | The transactions are recorded for storage and post event analysis | Recording is much cheaper and secured |
| | Post event reports are generated and are further distributed to the larger team for communication and co-ordination | Messaging services via Engage increases flexibility and lowers cost |

Enhances Security & Remote Monitoring in:

- ✓ Smart Cities
- ✓ Manufacturing Factories
- ✓ Warehouses
- ✓ Schools & Universities
- ✓ Airports
- ✓ Hospitals
- ✓ Arenas and any public spaces

Use Case: Service Center Automation



Step 1: Tire Rotate



Step 2: Oil Change

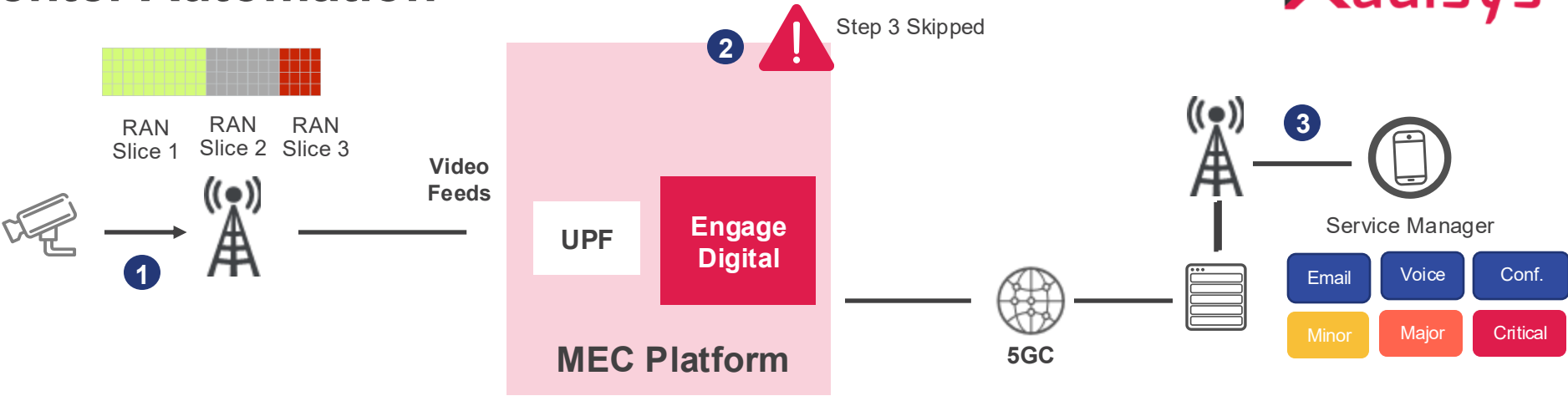


Step 3: Engine and Filter Check



Step 4: Wash

Service Center

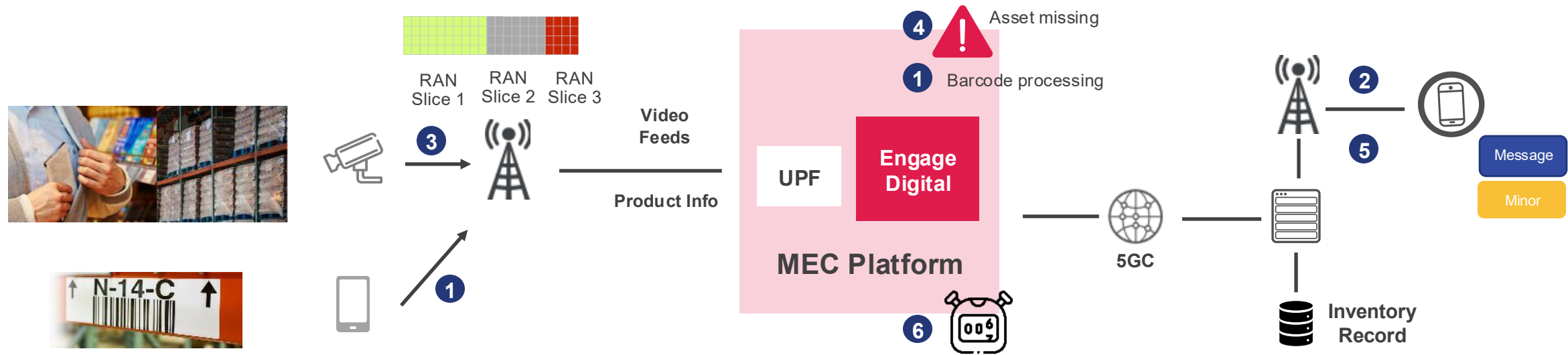


| | Use Case Elements | Engage Platform Functionality & Value |
|---|--|---|
| 1 | Cameras are mounted on key locations, which are networked and connected to the processing platform | |
| | Cameras capture and send videos for processing | Video processing in the network lowers device CAPEX and OPEX |
| 2 | Video is processed by the application layer for checking the service steps | Video processing on demand lowers cost |
| 3 | Minor deviation from the process detected and an Email is sent to service manager | Email services via Engage increases flex and lowers manual intervention |
| | Major deviation from the process detected and a call is triggered between service manager and the service engineer | Audio/ Video calls via Engage increases flexibility and lowers cost |
| | If needed a conference call can be initiated between service engineer, service manager and customer | Conferencing via Engage increases flexibility |

Automates Verification of Process Related Workflows for :

- ✓ Manufacturing quality checks
- ✓ Baggage handling at airports
- ✓ Discharging patients
- ✓ Inventory classification in warehouse

Use Case: Automated Inventory Management

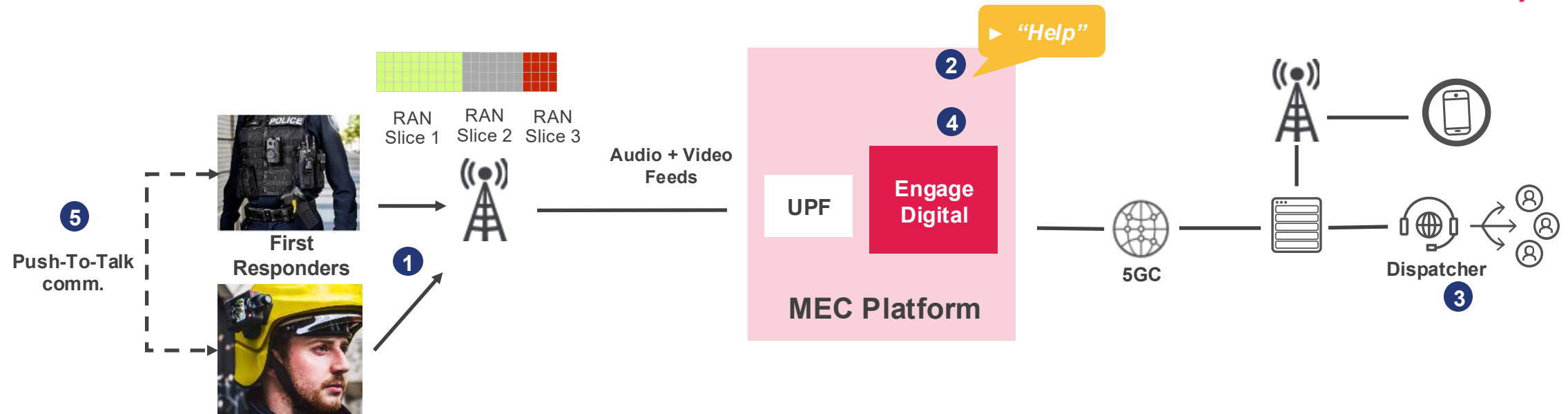


| | Use Case Elements | Engage Platform Value |
|---|--|--|
| 1 | Cameras are mounted on key locations, which are networked and connected to the processing platform Device captures barcode of item that is being checked out and sends to platform for processing | Low latency edge processing for real time inventory update |
| 2 | Update the inventory and message relevant stakeholder incase of high value item | Messaging services via Engage increases flex and lowers cost |
| 3 | Cameras capture and send videos for processing | Video processing in the network lowers device CAPEX and OPEX |
| 4 | Video is processed by the application layer for high value object tracking | Video processing on demand lowers cost |
| 5 | Theft detected and relevant stakeholder is called to show real time feed | Conferencing via Engage increases flex and lowers cost |
| 6 | Engage platform keeps processing the video feed continuously to keep count of the inventory | Video processing in the network lowers device CAPEX and OPEX |

Helps Validate Object/ People Count:

- ✓ Tracking livestock or any inventory
- ✓ People count for compliance
- ✓ Packaging – Item count in a box
- ✓ Delivery of packages/containers (ports)
- ✓ Traffic analysis on streets and retail outlets

Use Case: First Responders Situation Analysis & Collaboration



| | Use Case Elements | Engage Platform Value |
|---|---|---|
| 1 | First responders have body mounted Cameras, microphones which are networked and connected to the processing platform | |
| | Devices capture and send audio, video feeds for processing | Video processing in the network lowers device CAPEX and OPEX |
| 2 | Audio is processed by the application layer to identify any keywords like "Help" | Audio processing on demand lowers cost |
| 3 | Communication channel is established between the on the ground team and the dispatcher team | Conferencing and exchanging messages via Engage increases flexibility and lowers cost |
| 4 | Video is processed by the application layer for situation analysis. Dispatcher team identifies the scale of event is much larger and needs to send in more team | Video processing on demand lowers cost |
| 5 | Platform enables PTT communication between first responders | PTT via engage platform adds flexibility |

Handling Critical Situations:

✓ Fire in a building

✓ Gun shot in a building

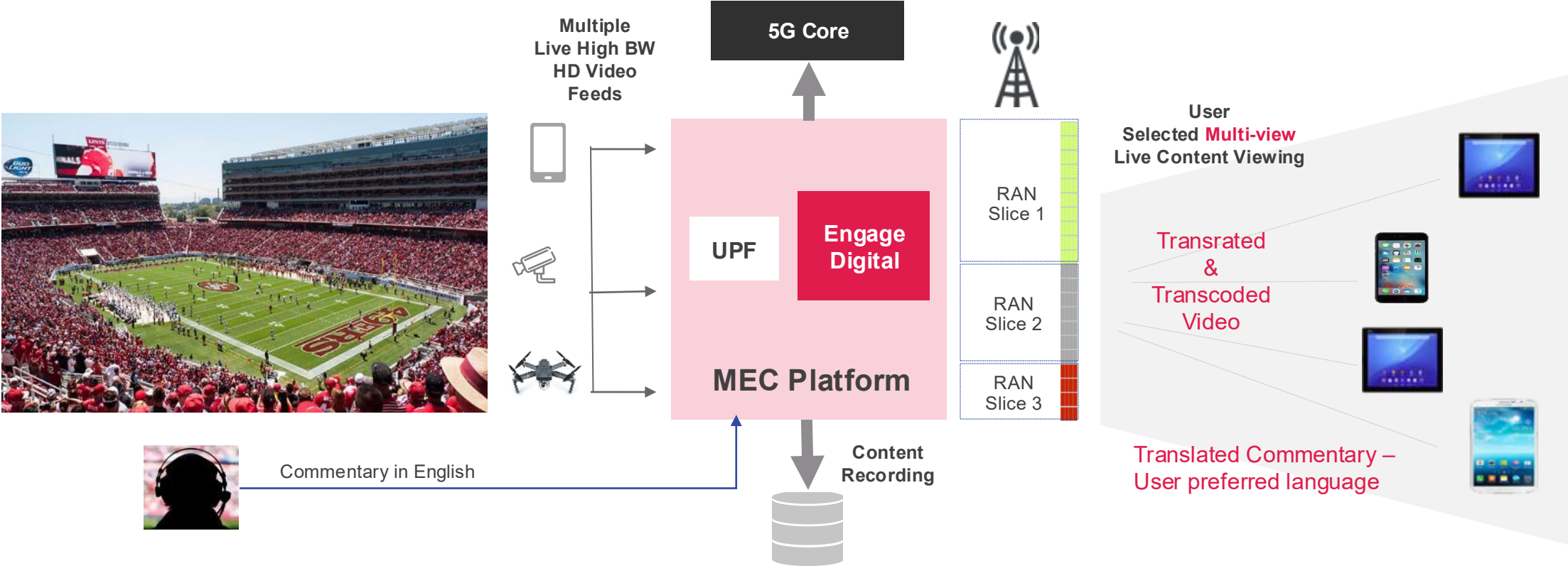
✓ Unidentified object in public spaces

✓ Flooding in an area

✓ Help required by a patient

✓ Possibility of Stampede/ Riots

Use Case: Sports Arena



| | Use Case | Engage Platform Value |
|------------|--|--|
| Use Case 1 | Media processing for multi-view videos | Transcoding, Trans-rating |
| Use Case 2 | Real time translated multi-language commentary | Translating |
| Use Case 3 | AR overlay on official pictures for social media posting | AR overlay on content (Images, Videos) |
| Use Case 4 | AR overlay of match statistics, referee decisions etc. on arena applications | AR overlay on applications |

Media processing for:

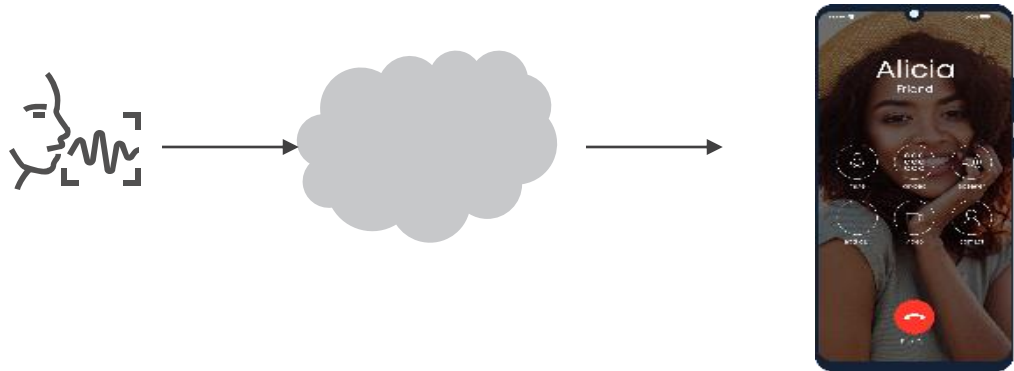
- ✓ Education content overlays
- ✓ Broadcast content overlays
- ✓ Multi-language conference

Example Business Cases

- Market Opportunity
 - Call Centre Agents requiring translation capabilities
 - Business/Corporate Mobile Accounts
 - Consumer Mobile Accounts
 - Business Case Assumptions
 - Subscriber monthly subscription price for the translation capability = \$5
 - Each subscriber will make 6 translated calls per month
 - Average call hold time is 180 seconds
 - Datacentre server costs are estimated to be \$11,500
 - Additional 3rd party costs to be covered by operator
 - hosting costs in AWS/Azure or Hardware/Software infrastructure (Hypervisor) of Datacenter
 - Data centre costs in the business case are estimated to be \$11,500
 - STT and TTS and Translation costs incurred from Azure/Google Cloud and are subject to change
 - Network configuration to route call traffic to EDP system. Radisys will support remote integration and troubleshooting
- Estimated Annual Revenue based on 50,000 subscribers - \$3,000,000 @ 84% margin

Business Case: Call Screening

Alicia (a subscriber) receives a call she decides to screen – with call screening app activated the unknown caller is prompted to state reason for their call
Alicia can accept or reject call or ask caller for more information



| INPUTS | | |
|--|-----------|-----------------|
| Num of VoLTE subscribers with Call Screening service | 6,000,000 | A |
| AVG num of screened calls per day | 2 | B |
| % of Calls rec'd during Busy Hr. | 15% | C |
| Speech Rec. Call duration (secs) | 10 | D |
| | | |
| Num of Speech Recognition Sessions required | 5,000 | [A *B*C*D/3600] |



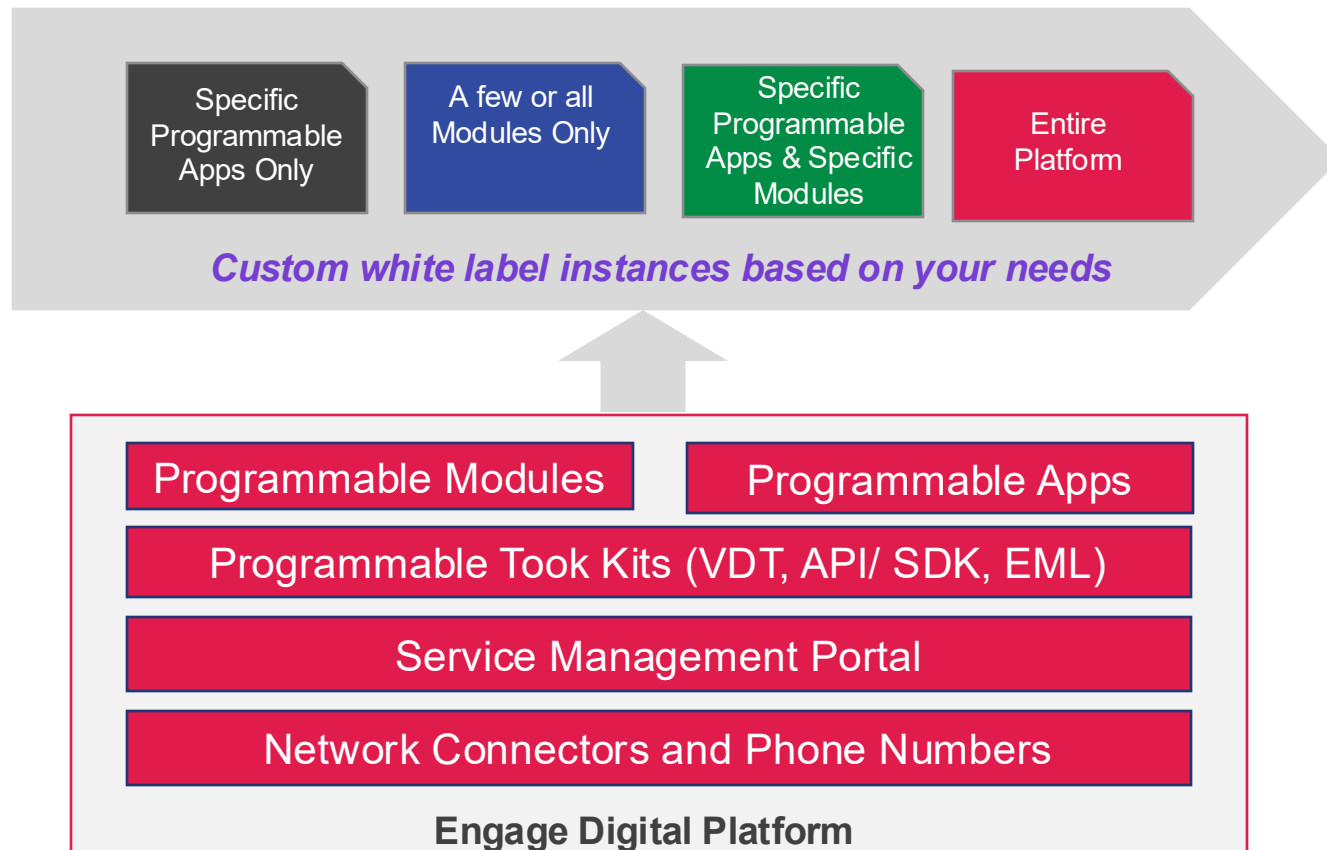
Deployment





Customized to Your Needs

Programmable Communications and Digital Engagement Platform



**Cloud instance that
only includes the
components required
for your service.**



In-Your-Network



Radisys Hosted



Cloud Hosted

Cloud Based Deployment

- Global Orchestration for nearest instance service
- Carrier SMS and PSTN
- Radisys hosted EDP is available in AWS and Azure cloud



In-Your-Network

On-Premise Deployment

- Most suitable for latency sensitive applications
- QOS & SLA control
- Data and communications security

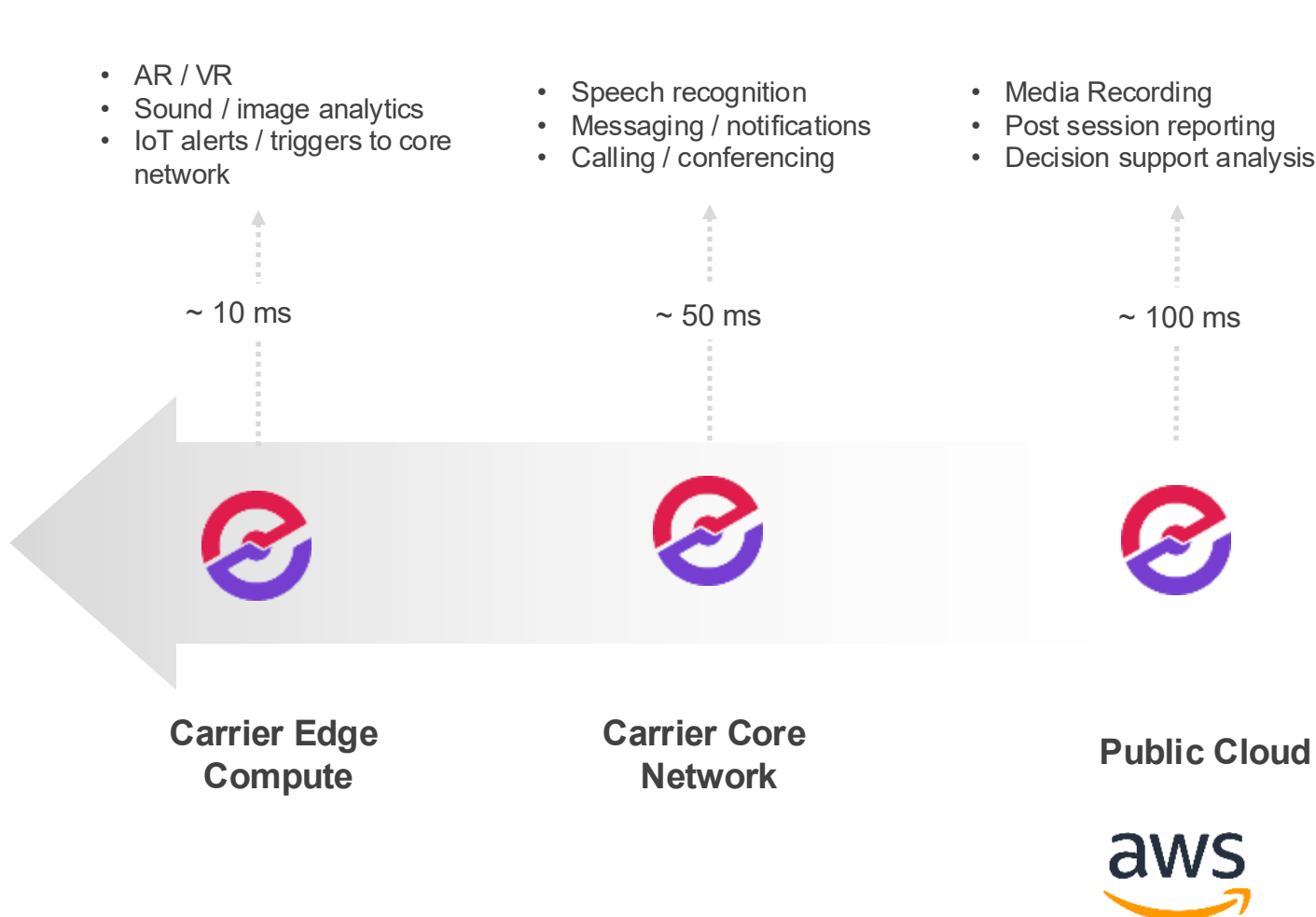


Carrier Grade Deployment in all cases

- Provides single point of protection against failures of container-pods, virtual machines or physical hardware.
- Ability to do backup/restore of the system and perform seamless upgrades
- Software can be deployed across multiple availability-zones to protect against rack or data-center failures.

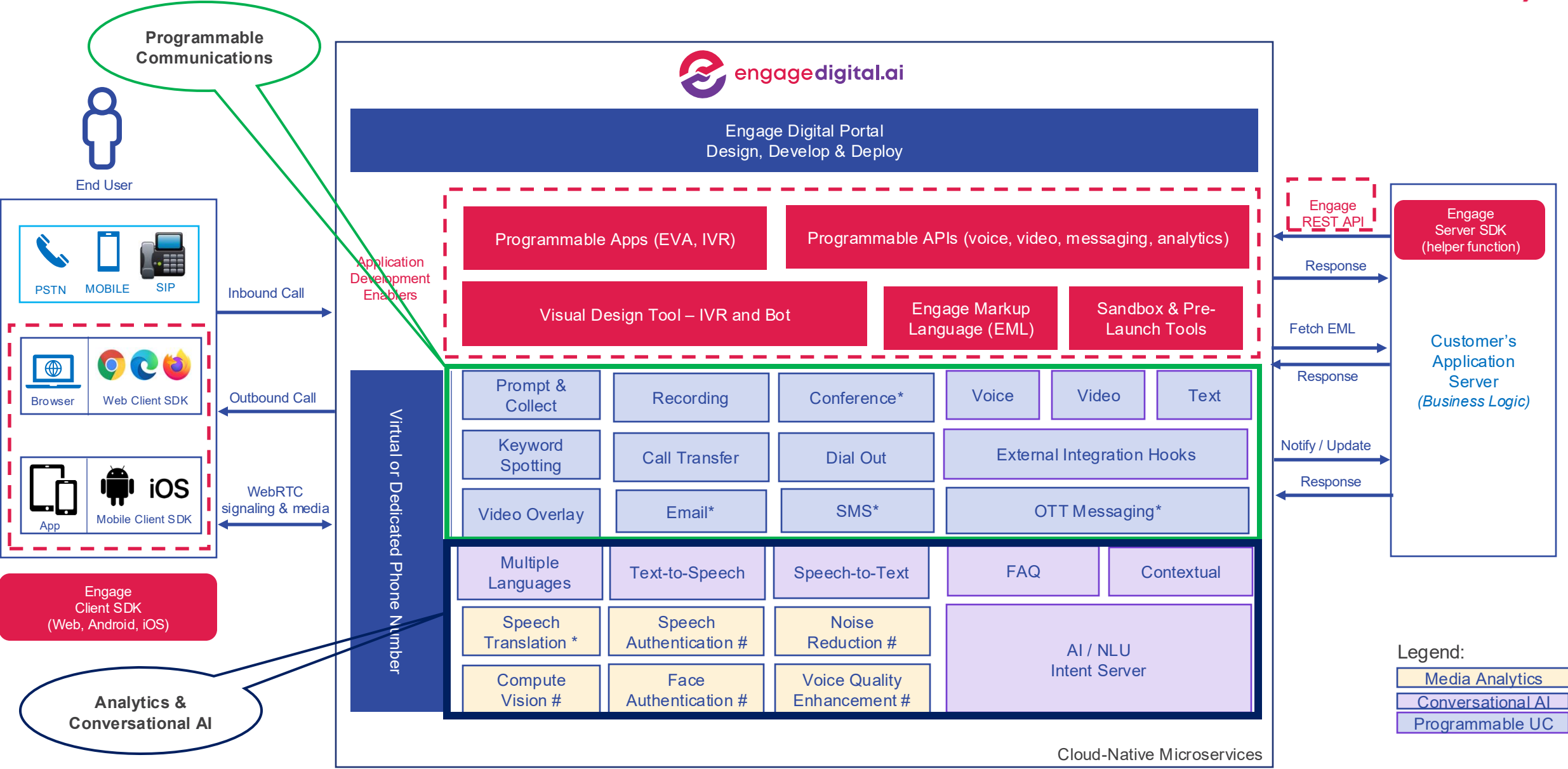
Flexible Deployment Options

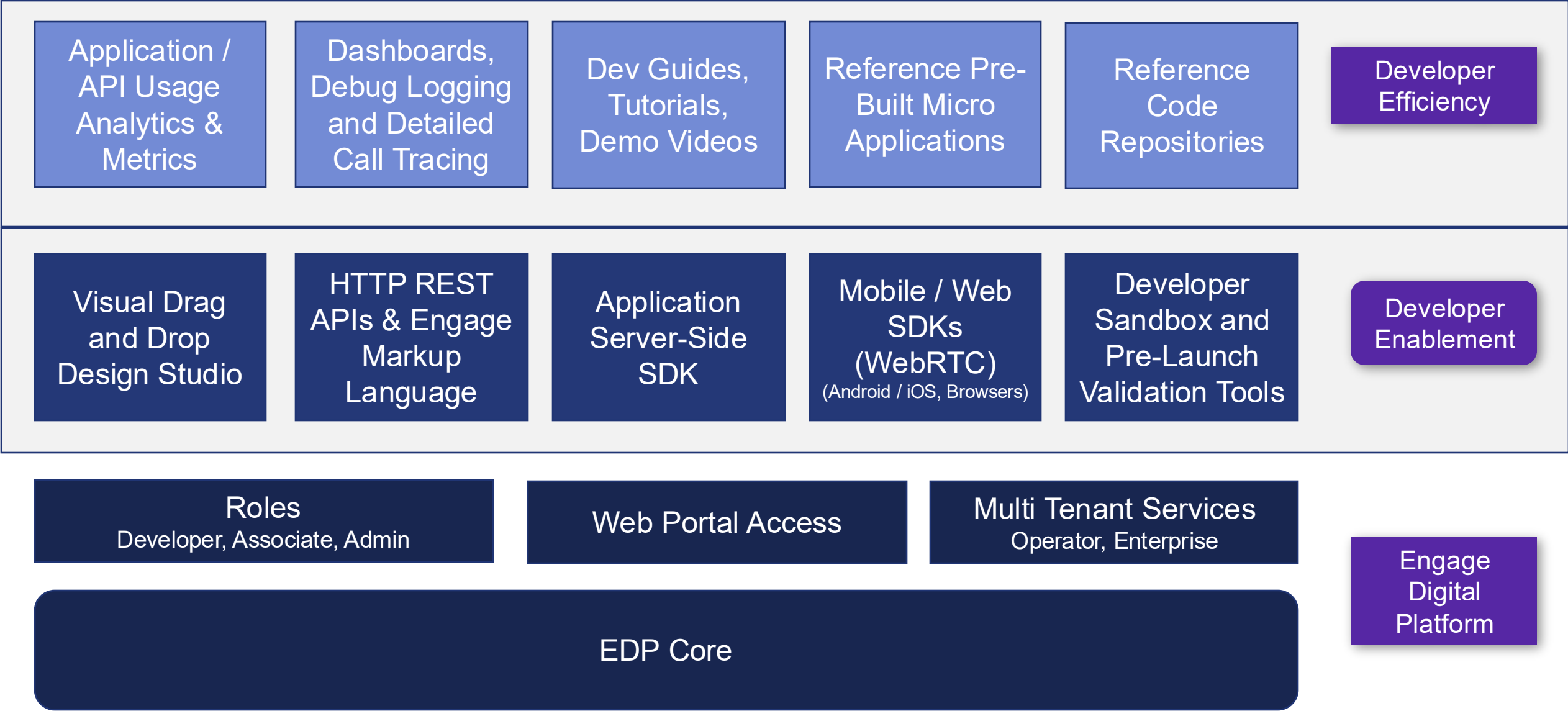
Based On Application & Service Provider Performance Requirements



- Execute application in optimal location(s) based on proximity, context, QoS / latency requirements, etc.
- Backhaul savings
- Reduce public cloud processing and costs
- Enterprise level SLAs
- Regulatory compliance
- Lowest cost of service delivery
- Greater control over data and security
- Capitalizes on CSP brand

Engage Digital Platform Functional Architecture & Building Blocks







Advanced Media Analytics

- Enables wider range of applications than before possible with CPaaS: Real time IoT, immersive digital experiences, high quality interactive video

In-Network & Cloud Flexibility

- Services deployed where and when needed based on latency, privacy / security, cost and scale demands of the application with complexity hidden from developers
- Data center to Edge

Rapid Time to Market

- Simple design tools, Developer Support (build a full custom video bot with brand ambassador in 2 days)

Open – Flexibility to bring your own components

Carrier Grade

- CSPs can deliver on SLAs not available through public cloud-based offers with benefit to their customers of reliability, quality of experience and customer satisfaction (example: retention)
- CSPs can maximize monetization of their mobile and fixed broadband, edge, and private network investments

White Label

- Carriers can leverage their brand and relationship with customers and own the critical value inherent in insights from usage data to upsell services and enhance value to customers

All You Can Use Pricing

- Service providers can make more money, have more flexibility in how they price and bundle services using EDP, and make economical applications that were previously cost-prohibitive.



Thank You