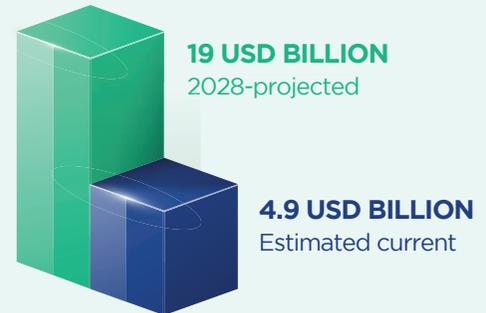**quantiphi**
Solving What Matters

Effortlessly Deploying Video Analytics Applications at Edge

Quantiphi's 5G Edge platform for Video Analytics enables Telecom & their B2B customers to build Video intelligence applications in the easiest and cost effective way possible today. The platform facilitates need-based scaling and faster deployment of a multitude of IVA use cases whilst keeping the management efforts and ownership costs to a minimum.

WITH 5G AS THE CATALYST, VIDEO INTELLIGENCE APPLICATIONS WOULD MOVE TO EDGE

- In the next six years, the Global Video Analytics market would touch 19 Billion $.

- In the next three years more than 50% of video analytics shall be deployed at edge locations.

The market size is projected to reach 19 Billion USD at a **CAGR of 18.4 %**

19 USD BILLION
2028-projected

4.9 USD BILLION
Estimated current

Video analytics will turn high-definition camera streams into better actionable information & 5G will play a key role to cater to the increasing density of cameras. This creates a conducive environment for both Telecom & their enterprise customers to create IVA applications addressing:

Manufacturing

Retail

Smart Cities

Logistics & Supply Chain

Safety & Surveillance

Quality Inspection

Inventory Accounting

Crowd Analytics

The Key Use Cases across these industries

Worker Safety

Access Control

Parking Management

HOWEVER, IMPLEMENTING VIDEO ANALYTICS ON EDGE IS RIDDLED WITH CHALLENGES

Although deployment of Video workload has seen tremendous growth in the past few years for different purposes, when it comes to adopting Video Analytics Use Cases, at Edge or Cloud, the path is arduous.

Video Analytics Solutions at Edge need the right Combination of Partners & Platforms for effective Scaling & Management.

CHALLENGES

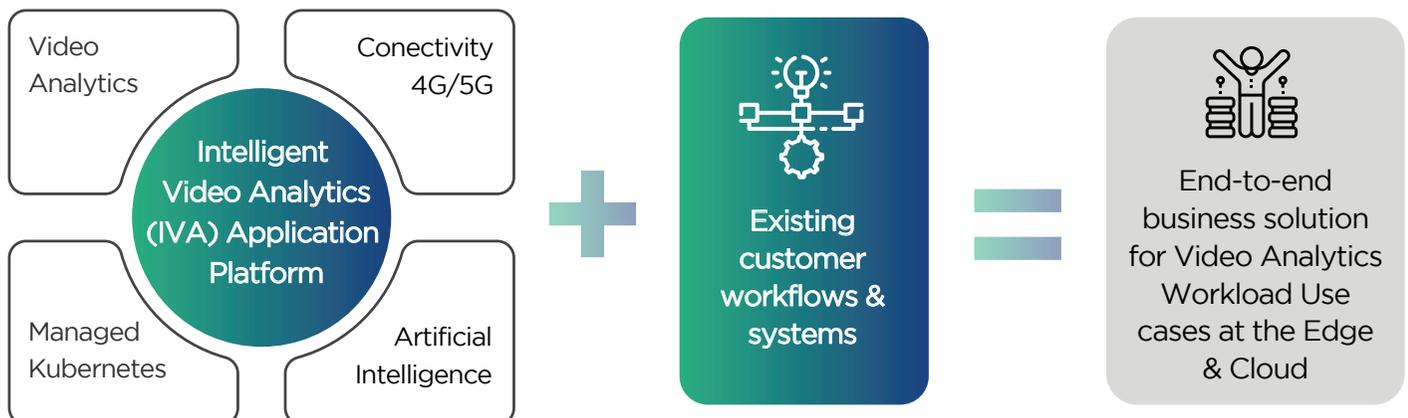| Longer cycles of manual model Development & deployment | Scaling deployments to multiple models and cost involved. | Lack of Automation in ML Dev & Deployment cycles leading to ML pipeline failure. | Less real-time visibility into model Performance and pipeline maintenance. | High TCO of maintaining ML Pipelines in production. | Integrating Edge Applications with 4G/5G Private and Core Network Components. |

OUR APPROACH

IVA Application Platform solution to provide End-to-end (E2E) solution for Video Workloads

Video Analytics

Conectivity 4G/5G

Intelligent Video Analytics (IVA) Application Platform

Managed Kubernetes

Artificial Intelligence

+

Existing customer workflows & systems

=

End-to-end business solution for Video Analytics Workload Use cases at the Edge & Cloud

IVA application platform addresses the above mentioned challenges in an industry-agnostic way

Availability of readily deployable Use Cases	Faster design, cutting down on overall pilot cycles	Better & Accurate results by ML Models with continuous Monitoring	Reduced overall cost by using multi-tenancy model from day 1	Lowest TCO by fully managed Services

IVA application platform shortens the implementation horizon

Without Standard Application platform the duration of taking an use case from pilot phase to production and scaling it to multiple Edge/Cloud locations or supporting multiple Use Cases at the same location, is around 9 months. Without any standard application platform it adds up to a few more months, stretching the entire Use Case adoption cycle to a year-long exploration for customers.
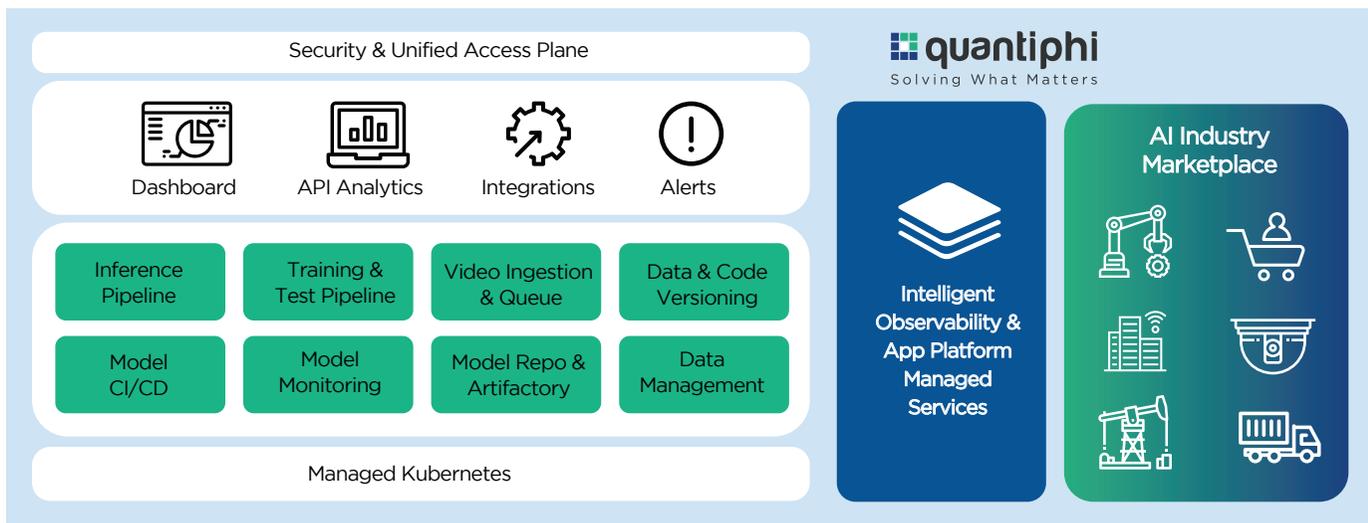
Pilot
3-6 months
With Prerequisites such as Quality & Quantity of labeled data, Data Privacy, Connectivity/bandwidth are met

Scaling & Production
6-9 months

Overall 10-12 months

Quantiphi's managed Video Analytics Application Platform

The platform enables Telecom Players to easily deploy and scale intelligent video analytics solutions facilitating smart surveillance, improved customer experience and intelligent operations across industries - manufacturing, smart cities, retail and logistics.

Security & Unified Access Plane

Dashboard | API Analytics | Integrations | Alerts

quantiphi
Solving What Matters

Inference Pipeline	Training & Test Pipeline	Video Ingestion & Queue	Data & Code Versioning
Model CI/CD	Model Monitoring	Model Repo & Artifactory	Data Management

Managed Kubernetes

Intelligent Observability & App Platform Managed Services

AI Industry Marketplace

ABOUT QUANTIPHI

Quantiphi's Telecom practice focuses on helping the customer-centric telcos thrive in the evolving business landscape. Our breadth of deep-learning, analytics, data, and cloud capabilities enable telecom service providers with superior network optimization, improved customer experience, and AI-based edge computing services on 5G networks.

Leader in
IDC MarketScape:
Worldwide AI
IT Services, 2021

Leader in the
Forrester New Wave™:
ComputerVision
Consultancies, Q4 2020

ISV partner for
Google Cloud Edge
AI solutions

PARTNERSHIP

Google Cloud
Premier Partner

AWS
Premier Partner

Elite
Partner

TensorFlow
Trusted Partner

Looker Implementation
Partner

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