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Product Portfolio

I. WHAT IS BT-Solution ?

II. WHY SHOULD YOU CHOOSE BT-Solution ?

III. PRODUCT FEATURES?

IV. BT-Solution APPLICATION IN ACTION

V. IMPLEMENTATION COSTS AND BENEFITS

VI. INTEGRABILITY AND EXTENSIBILITY

VII. OPERATION AND MANAGEMENT DIRECTIONS

BRILLIANTEC
TECHNOLOGIES

ABOUT US

- Over 10 years of experience in Software Development and Research using modern information technologies

- Provide solutions, technology applications and services in the following areas:
  - ↳ Artificial Intelligence, Computer Vision & IoT
  - ↳ Software Development, QA, Automation Testing
  - ↳ Web and Graphic Design services

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BT-Solution

- Analyze images/videos from IP cameras
- Recognition, image analysis, decision making
- Integration with other computer systems for real time data synthesis.
- Search, detect and warn about objects, vehicles people and other shapes. Check for omissions of parts in assembly lines, QA/AC process automation.

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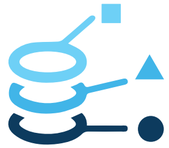
WHY BT-Solution?

Diversity Features



ALL-IN-ONE solution
with many AI features.
Concurrent use,
High accuracy

High Security Application

Protective applications
High confidentiality,
information security

For any Specific Project

Flexible solutions.
Each project has its own
custom tag

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FEATURES OF BT-Solution

Fire Detection

Weapon Detection

PPE Detection

ID Verification

License Plate Recognition

Intrusion Detection

Wrong Direction

Loitering

Person Fall

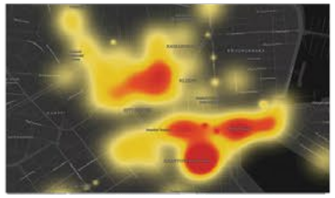
Make & Model

People Counting

Vehicle Counting

Social Health

Liveview

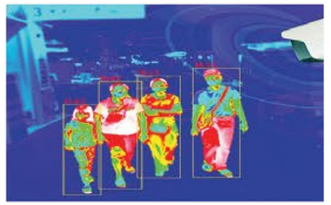


Heatmap

Illegal Parking

Object Left Behind

Real-time Alert



Temperature Detection

Parking Management

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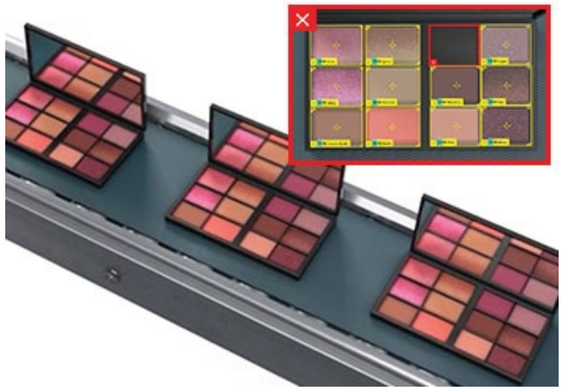
IDENTIFICATION AND PRODUCTS FAULT DETECTION, QA/QC PROCESS AUTOMATION

- ☐ Missing parts detection,
  QA/QC process automation
- ☐ SOP Detection.
- ☐ Automatic Weighing, Counting and Estimation.
- ☐ Classification of industrial products
  on production line.



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MONITORING OF VEHICLE TRAFFIC, LICENSE NUMBER, DISTANCE FOR CONTROL AND SECURITY

- ☐ Capture and record all license plates
- ☐ Automatically identify and search license plates from a database
- ☐ Search for license plates through image character recognition to find exact match
- ☐ Integration with access control devices (barrier) to provide access for specific license plates only

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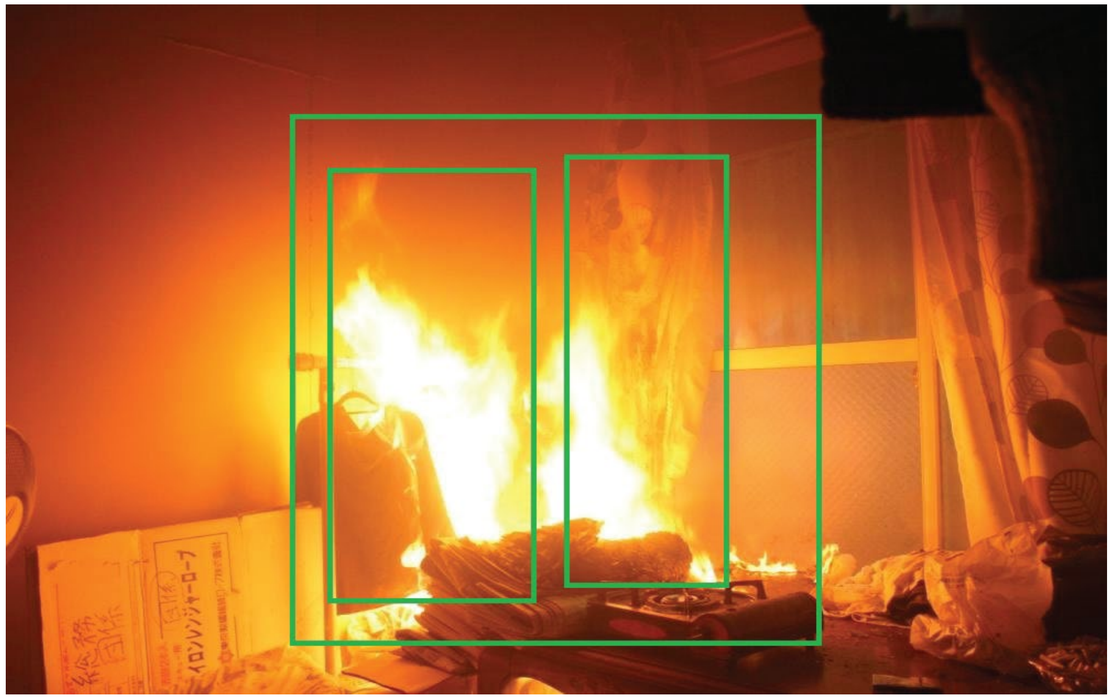
FIRE DETECTION AND EARLY WARNING

- ☐ Early detection of smoke and fire clouds
- ☐ Notifications via email, mobile apps
- ☐ Alarm via external device



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COUNTING THE NUMBER OF PEOPLE AND ABNORMAL BEHAVIOR

- Count the number of people entering an area
- Identify abnormal behavior when someone falls, faints, moves in wrong direction, walk abnormally, loiter in unauthorized area off hour
- Instant alerts on built-in peripheral device
- Send event photos/videos to manager

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PROTECTIVE EQUIPMENT DETECTION

- Identification of staff members in the construction area with or without protective equipment
- Automatically reciprocate and send notifications. Notify when workers do not fully comply with safety regulations
- Search and extract images and videos to enhance operational safety, post-audit

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CUSTOM TRAINING MACHINE LEARNING FACILITIES

- Training feature for machine learning for objects characteristics according to customer requirements

- Applicable in the following cases:

  - Training to recognize uniforms and business-specific products.

  - Training to recognize and detect company's unique products in the production line

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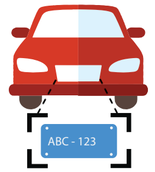
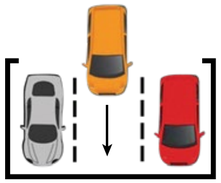
SMART BUILDING

- ☐ Intelligent vehicle control
- ☐ 24/7 automatic monitoring and warning
- ☐ Prevent unauthorized vehicles from entering the premise

Matching smart AI features



Identified license plates



Parking lot

Fire Detection

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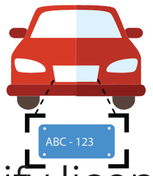
INTELLIGENT FACTORY

- ☐ Timely detection of smoke/fire
- ☐ Strictly control workers compliance to safety procedures
- ☐ QA/QC Automation. Detection for products with missing parts

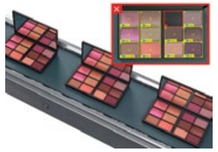
Matching smart AI features



Identify license plates in/out of factory

Compliance with safety procedures

SOP Detection



Missing-part Detection,QA/AC monitoring

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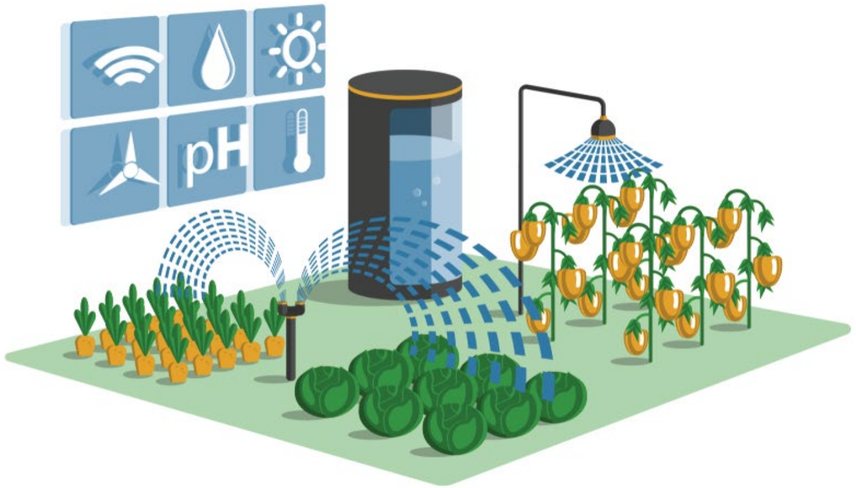
SMART FARM

- ☐ Monitor the weather, automatic irrigation
- ☐ Monitor, tracking and harvesting
- ☐ Prevent unauthorized access



Matching smart AI features

Automatic watering according to the humidity

Agricultural tracking and harvesting

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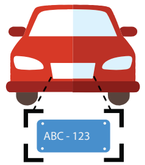
SMART CITY

- ☐ Quick response to incidents around the city
- ☐ Control people and vehicles flow

Matching smart AI features



Identified license plates

Find a check statue

Count people monitor crowd

Fire Detection

Detecting objects unattended

Control Flow

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SMART HOSPITAL

- ☐ Monitor and in-time alert for unusual or dangerous activities
- ☐ Supervising, assigning and managing personnel in hospital

Matching smart AI features

Detect fallen person faint

Detect face mask

Monitor accept

Fire Detection

Count people monitor crowd

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SMART SCHOOL

- ☐ Monitor students entering and leaving the school to ensure attendance
- ☐ Warn strangers entering and leaving campus. Safety for students and protect school property
- ☐ Supervising, assigning and managing personnel

Matching smart AI features

Monitor
in and out of school

Detect
fallen/fainted person

Fire Detection

Identified
license plates

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COST STRUCTURE

BT-Solution SET INCLUDES COST

Hardware (Server)

- BT-Solution platform recommended and hosted by BRILLIANTEC
- BRILLIANTEC also supports set up of BT-Solution on client's on-premise server.

Core

- Application serving AI solution
- Essential components for all hardware option.

License

- Features specific to each client according to needs
- Licensing by features and the number of cameras. Pay only for the features actually used.

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SHORT-TERM, LONG-TERM BENEFITS

Short term benefits

- Solve management and operations problems
- Easily automate many processes or monitor the impotant actions
- Monitoring 24/7. Reduce gaps in incident detection and recording

Long term benefits

- Take advantage of available system resources
- Easy to install and reuse when you want change location and use features
- Save personnel costs, enhance quality
- Smart features continually updated
- Deep Learning Algorithms and Machine Learning improve analytical ability and accuracy over time

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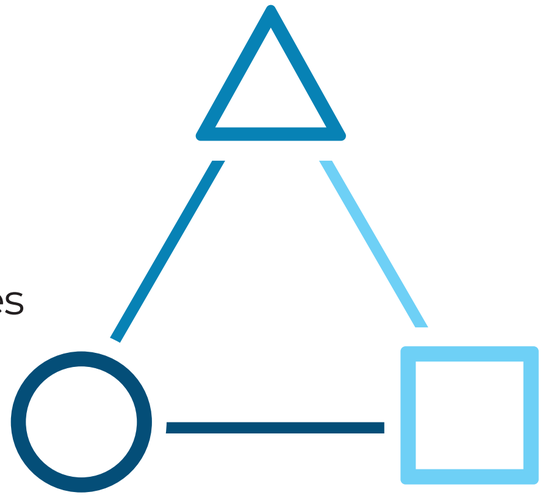
Integralability and Extensibility

- Easy integration with most IP Camera networks available on the market.



- Easy integration with other databases
- Interoperate with new monitoring partner
- Centralized management of all cameras monitor. Connect multiple sites together
- Easy to upgrade and expand

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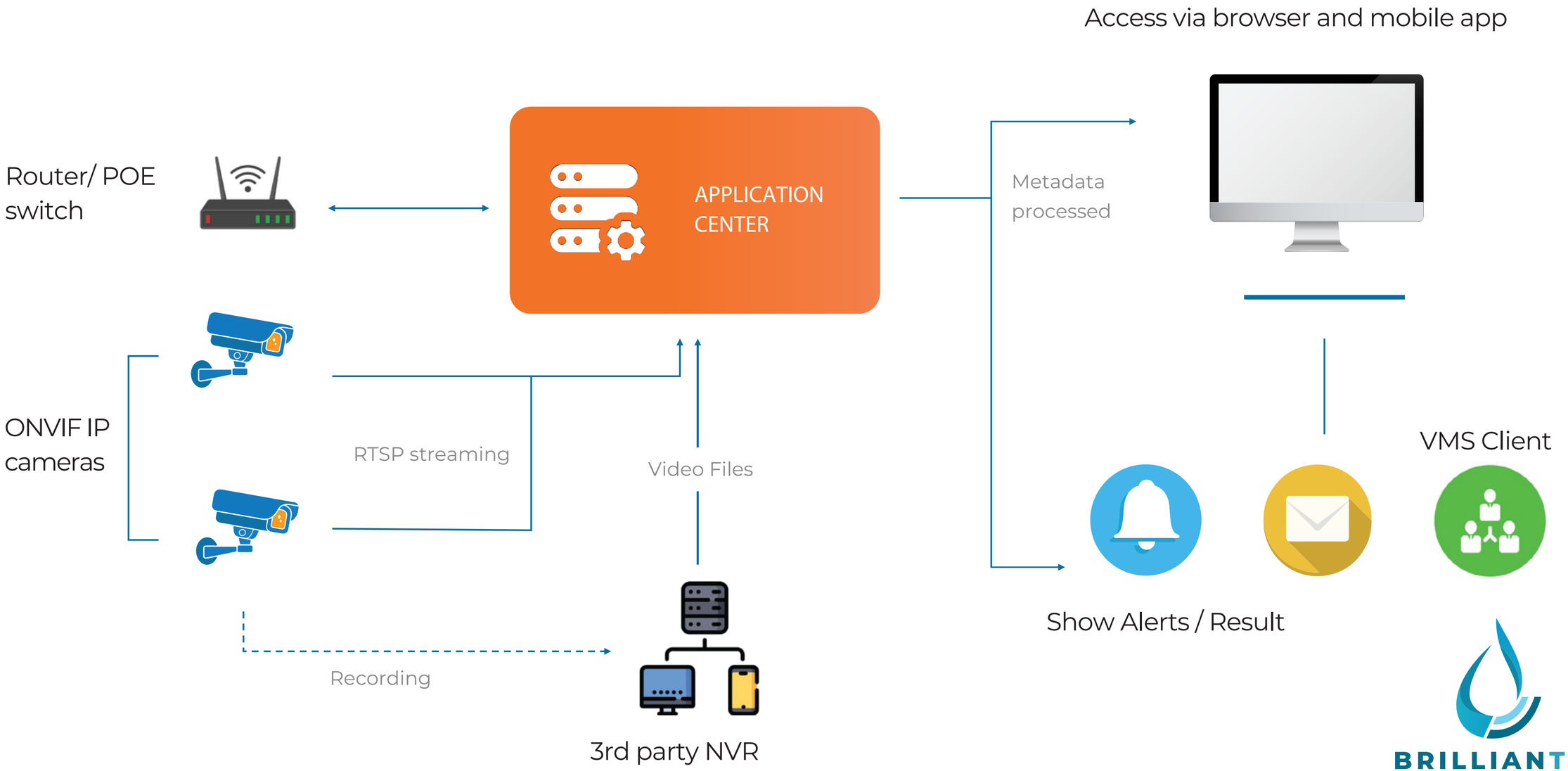
ON-PREMISE MODEL



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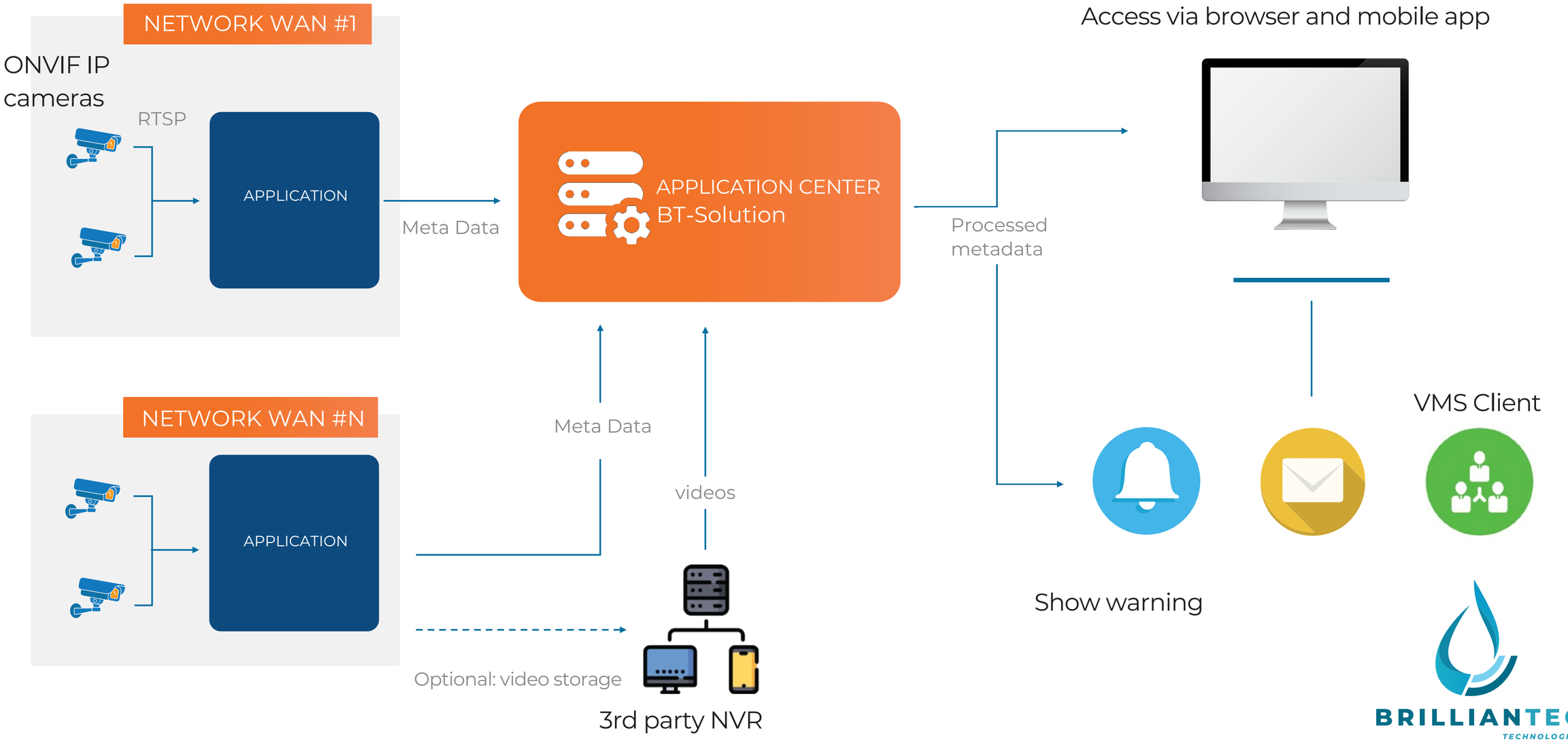
IMPLEMENTATION MODEL OF CENTRAL MANAGEMENT



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THANK YOU