

# Enterprise AI/ML Solutions To Drive Business Transformation At Scale



## Affine's Damage Detection & Classification Solution Using Microsoft Cognitive Services:

Enabling business focused data science, AI and BI development with deep domain expertise. Affine believes in faster design to faster deployment through key differentiators-Experimentation Focus and Speed to Value

### WHAT WE OFFER



- AI Powered Machine Vision Solution for manufacturing & CPG verticals for defects detection at faster speed and with higher accuracy



- Edge Implementation of vision system to capture high volume of images moving at high speed
- Device provisioning & Creating pipelines for data transfer & storage
- Defects labelling, training & scoring models development and deployment
- Business Integration with applications and decision dashboards



- Maintenance & governance of solution with continuous monitoring of devices, data pipeline health checks, and resources optimization

### What Our Customers Are Saying

*"Affine Team is very much capable and delivering the high quality of work. The technical approach team takes, almost matches the level of PHDs in such field. The business users want to enhance the solution to add more defects to be detected automatically"*

– Fortune 100, CPG Giant

### Learn More

Affine Inc.



[www.affine.ai](http://www.affine.ai)



[affine.cloud@affine.ai](mailto:affine.cloud@affine.ai)

Microsoft  
Partner



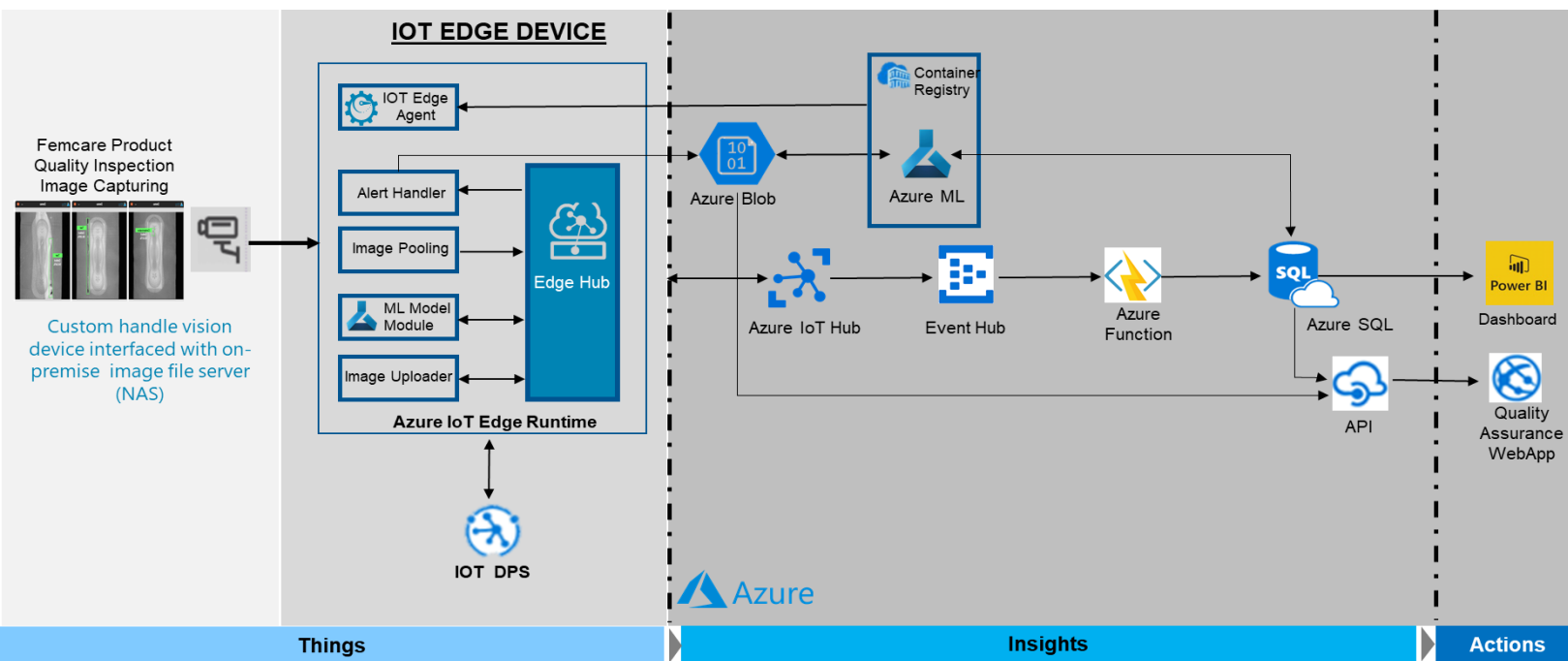
Gold Data Analytics  
Gold Data Platform  
Gold Cloud Platform





**AFFINE**  
COMMAND THE NEW

# Azure Architecture For Damage Detection Using Machine Vision



## Architecture Features

- Damage detection solution framework consist of an image file server (NAS) at edge to stage categorized images which is processed through polling module for processing
- Azure cloud supports Image storage, ML model training and analytical data storage for consumption
- The solution integrates with Quality Assurance application to manage operations and Power BI dashboard to enable business decisions

### ACR – 12 month

**USD 39,650**

\* This is based on the freely available online Azure cost calculator

### Solution Development Cost

Approximate Total Cost

**~ USD 56,000**

Implementation Duration

**~ 8- Weeks**

## GLOBAL PRESENCE

### Seattle, USA

2018 156th Avenue,  
N. E, Building F,  
Suite #333, Bellevue,  
Washington 98007

### Bangalore, INDIA

No: 98, 4th B Cross Rd,  
Industrial Area, 5th Block,  
Koramangala, Bengaluru-  
560095, India

### Singapore, APAC

5001 Beach Road,  
#08-11 Golden Mile Complex,  
Singapore- 199588



# Why Microsoft Azure?

## Be future-ready

Continuous innovation from Microsoft supports your development today, and your product visions for tomorrow. With 1,000+ new capabilities in the past year, you can build on the latest advancements in AI, blockchain, Kubernetes, containers, and databases to keep you ahead of the curve.

Our enterprise grade analytics solution outperforms the competition, costs less, and is fully compatible with your existing development, BI, and data-science tools.

## Operate hybrid seamlessly

On-premises, in the cloud, and at the edge—we'll meet you where you are. Integrate and manage your environments with tools and services designed for hybrid cloud.

Enhance security, simplify access, and set smart policies across your different environments with a single-identity platform trusted by 90% of enterprises globally.

## Build on your terms

You have choices. With a commitment to open source and support for all languages and frameworks, build and deploy how you want to. Take advantage of the full-featured, integrated development environments with built-in support Visual Studio and Visual Studio Code, the most popular IDEs trusted by 15M+ developers.

We embrace open source, drive innovation through collaboration, and contribute back to the community.

## Trust your cloud

Get security from the ground up, backed by a team of experts, and proactive compliance trusted by enterprises, governments, and startups.

With a \$1B+ investment in security R&D and 3,500 cybersecurity experts, security is foundational for Azure.



Microsoft Azure is an ever-expanding set of cloud computing services to help your organization meet its business challenges. With Azure, your business or organization has the freedom to build, manage, and deploy applications on a massive, global network using your preferred tools and frameworks.

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