



**AFFINE**  
COMMAND THE NEW

Microsoft  
Partner

Gold Data Analytics  
Gold Data Platform  
Gold Cloud Platform



# A Real Time Predictive Maintenance System To Reduce Asset Downtime

## Affine

A decade old analytics solutions company, serving more than 40 Fortune 500 enterprises, has proven track record in creating enterprise scale AI solutions. Being a member of the AI Inner Circle @ Azure, we bring to fore the combined power of AI on Azure. With in-depth knowledge/experience on the Math (Core AI algorithms), Tech (Cloud + Implementation languages) and deployment context (Domain + End-to-End Deployment at massive scale), we can be your trusted partner in making AI based transformation a reality for your enterprise too.



## WHAT WE OFFER



Collate sensor data, image data, maintenance reports from thousands of IoT devices and store it on cloud. **Azure IoT Hub** enables a highly secure and reliable communication between IoT devices and our application.



Machine Learning models are developed which analyze historical performance pattern to predict time of failure and Type of issue. Models are built using **Azure ML** which helps identify suitable algorithms and hyper-parameters faster.



A real time alert system which automatically alerts the maintenance team via email. The application is built using **Azure Logic Apps** service to schedule, automate and orchestrate tasks in order to integrate apps and services across enterprises or organizations.



A BI dashboard with intuitive visualizations and summary reports for various business users. Dashboards are created using **Power BI** due to its built-in connectivity to azure and ease of creating reports.

## Azure Technologies



Azure IoT Hub



Azure ML Service



Azure Logic Apps



Azure Monitor

## 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.

[WWW.MICROSOFTAZURE.COM](http://WWW.MICROSOFTAZURE.COM)