IntelliVision enables direct video and image processing at the edge, thus ensuring workplace safety

Microsoft Azure

BIRLASOFT'S INTELLIVISION PLATFORM FOR SAFER WORK ENVIRNMENT.

Birlasoft has ready solution accelerators 'intelliVisionTM' built on Microsoft Azure Custom Vision Platform, which are being leveraged for work-place safety Applications. This platform provides capabilities for EHS and workplace safety initiative. This solution has several safety measures, like Facial Recognition, Emotion Recognition, Object Quality Analysis, Quality Control, Zone/ Event Detection & Organizing Visual Information.
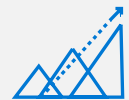
WHAT WE OFFER

Birlasoft's IntelliVision helps in overcoming the latency of cloud-based systems in workplace safety systems. This solution helps in reducing system downtime by **limiting the bandwidth and limited cloud data exchange**. This solution helps in making the cloud-based system **24*7 accessable.**

Microsoft IoT Edge provides a very reliable & easy to use edge management system, that enables **real time monitoring, ensuring safety.** Using custom vision, **Microsoft suggested hardware kits,** development of model is deeply simplified. **Using IoT hubs & event hubs** the communication between device & cloud is deeply simplified.

Workplace Safety: Monitoring of Forklift movement, unauthorized access entry into workplace area, elevated body temperature, social distancing measures.
Activity Recognition: Multi-object detection, safety deviations such as incorrect use of PPE, unsafe positioning under suspended loads, facial recognition, emotion detection,
Real-time Notification/Alert & Alarms

This will help in reducing the **network latency** & will help to achieve a latency **less than one second**.

Eliminates the intermittent **network dependency.**

Edge based system ensures **high availability** & **reduces the downtime.**
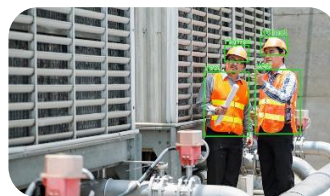
Zone Detection

Face Detection

Incorrect use of PPE

Remote Monitoring

Fire Detection

Identify Employees

LEARN MORE

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Microsoft 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.

WHY 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.

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

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