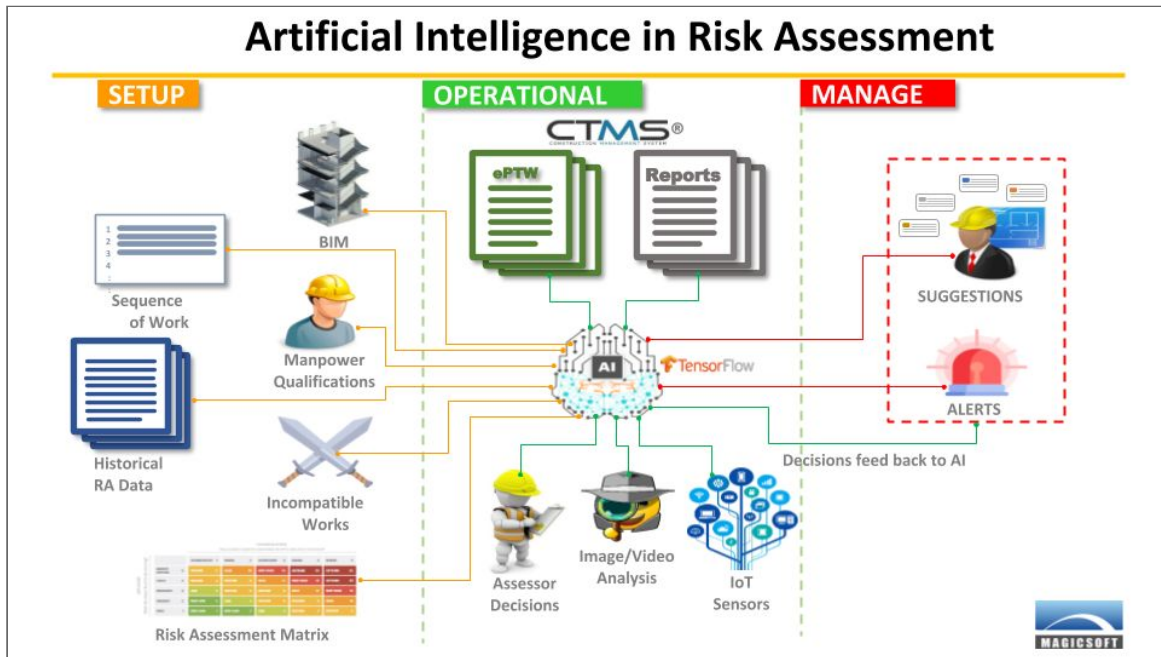


## MAGICSOFT ASIA SYSTEMS

Magicsoft Asia has been developing solutions for various industries since 1997. Today we cater to mainly the construction and healthcare industries.

As safety is a major concern for construction projects, risk assessment is a top priority before any work is allowed to begin. Permit-to-work systems are a requirement but they are mainly manual paperwork. Even when digitised, they do not account for many factors around the job site that can greatly impact the outcome of any assessed risk.

Hence, Magicsoft has decided to enhance this requirement with the use of Industry 4.0 technologies like video analytics, IoT sensors and artificial intelligence.



The system will allow stakeholders to continuously monitor all types of work and to assist safety personnel in enforcing Workplace Safety and Health (WSH) practices. Through timely alerts, supervisors can be prompted to act quickly on breaches in environmental or safety parameters such as excessive noise or the removal of helmets during work, before dire consequences occur.

The use of smart tags to track people and assets will also serve to improve existing risk controls. This also allows stakeholders to analyse the tracking information for use in improving work processes and asset utilisation.



With plans for further enhancements through the use of artificial intelligence via Google's Tensorflow 2.0, our solution aims to develop useful machine learning models in risk assessment for the construction as well as other similar industries where safety is a concern.

Take a look at our solution proposal [here](#).