DIGGING&DRILLING

AUSTRALASIA

RIO TINTO'S MINE OF THE FUTURE

OIL & GAS SECTOR TECH REVOLUTION

RESOURCES TECHNOLOGY SHOWCASE 2019

THE NEW REVOLUTION IN CCTV

CAN YOU KEEP AN EYE ON EVERYTHING?

WITH VISUAL BASED CCTV ARTIFICIAL INTELLIGENCE SYSTEMS THIS IS POSSIBLE

The need for a proactive solution in the global energy and resources sector to effectively utilize funds/assets and supplies in order to improve operations for better conditions are ever being researched and studied. The significance of video-based data has become an important part of this initiative due to its inherent capabilities and real-time characteristics.

In terms of surveillance video, there are thousands of cameras in the industry which are mainly viewed by human eyes thus consuming a lot of manpower. There is no doubt that it is impossible to monitor and record all videos, resulting in low efficiency in resources deployed. Therefore, how can you make use of the video data which is of great magnitude for the application scenarios in the oil, gas and mining industries?

To address this concern, Ai group has combined artificial intelligence and deep machine learning algorithms to develop AIVI (Artificial Intelligence Visual Investigator). AIVI can be combined with existing CCTV infrastructure, where its Ai algorithms will examine data feeds and deliver extraordinary analysis, with great accuracy and profound precision, in providing real time alerts for immediate action.

Ai group systems can monitor process and abnormal behaviour on site in real time. The system uses deep learning technology to track and monitor processes related concerns dynamics of workers/vehicles, building materials and construction equipment etc.

It uses methods such as target detection and positioning, behaviour assessment and analysis to monitor and implement procedures such as dangerous object placement warning, health and safety concerns, process productivity maximisation and warning of dangerous behaviour.

The system can be applied 24 hours to carry out comprehensive monitoring and reporting, to ensure the increase in productivity, safety of life and property.

For more information
+61 (0)3 9540 0708
info@aintelgroup.com

Head Office
7, 35-37 Dunlop Road
Mulgrave, Vic 3170
Australia

aintelgroup.com

DETECTING WORKER WITHOUT HARD HAT

DETECT ON-THE-JOB SITUATION OF INDOOR OERSONNEL

UNCOVERED SOIL DETECTION

IDENTIFYING THE NUMBER OF WORKERS

HEAT SIGNATURE DETECTION

CHECK-IN OF VEHICLES