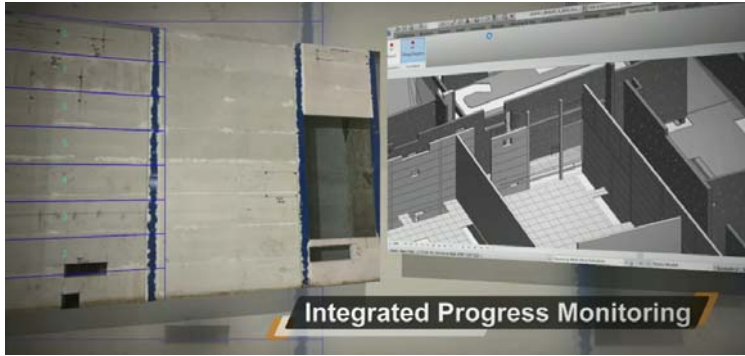


AIC by Gambot

Gammon Construction Ltd.



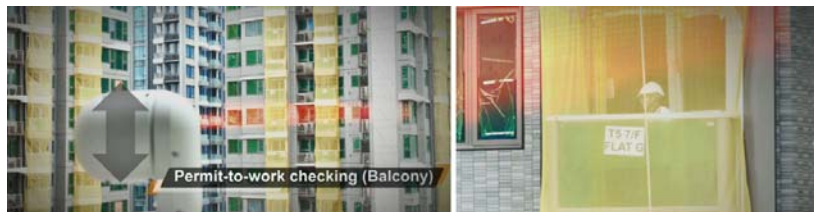
Gambot is a software robot with artificial intelligence (AI) that was developed by Gammon to improve construction safety, productivity and quality. For safety, in particular, Gambot is contributing in the following areas.

1. **Improved culture of safety reporting on construction sites:** using Gambot's chatbot interface, all stakeholders, including site staff, client and subcontractors, can quickly and easily submit safety observations and dynamic risk assessments via a simple conversational interface.

2. **Better safety planning using AI-based predictions:** building upon past safety observations, Gambot provides staff with information on what is occurring in their jobs and what to be mindful of. This reduces unexpected activities and urgent remedial works, which are primary causes of accidents. Gambot can also utilise AI to simulate logistics routes in the early stages of construction planning to enhance road design, ensure sufficient space for storage and delivery of heavy plant/material, and improve people-plant separation.

3. **Enhanced site supervision and monitoring:** the application of computer vision in Gambot allows it to detect objects including proper wearing of personal protective equipment, faces, vehicle plates, equipment and the like. Integrated with various other systems, including fatal-zone management and permits-to-work, the computer vision improves safety and productivity monitoring.

With over 3000 users, Gambot has proven to significantly improve safety awareness, productivity and decision-making.



Permit-to-Work Checking
Auto patrol CCTV



PPE, Life Jacket Checking
integrated with facial recognition gate