

## AUGMENTED REALITY: CAPTURE THE FLAG WITH RC CARS

### CLIENT APPLICATION AND PURPOSE

This version of Capture the Flag including AR and RC cars helps teams who work in a fast-paced, high-tech environments to improve their speed of collaboration and execution. The purpose of this activity is to increase agility and communication while collectively working towards a clear outcome.

The challenge requires each participant to operate beyond their individual motivation and to include other team members in their actions while maintaining speed and agility.

### ENHANCEMENT OF COLLECTIVE INTELLIGENCE

In the CIQ model of Collective Intelligence, the two major components that are being addressed by this activity are CIQ Team Intelligence and CIQ Cognitive Intelligence.

#### **CIQ Team Intelligence**

*= Ability to effectively coordinate processes between the individual and team level*

Played in two groups, the competing teams are capturing the opposing team's flag using a mobile device and remote-control cars, all enhanced by augmented reality. On a team level, this task requires an effective and immediate coordination of individuals and a clear negotiation of roles amongst team members. On an individual level, participants work independently towards a clear goal and mission that benefit the whole team. Both team and individual performance determine the collective success of the team.

#### **CIQ Cognitive Intelligence**

*= Ability to share and integrate complex information amongst a team*

On a cognitive level, the team's goal is to function as a unity - a sum bigger than its parts. Individuals need to share information effectively while executing fast in order to successfully complete the activity.

### OUTCOME

With its different, highly interactive levels, the activity improves agility and communication skills among team members.

Teams report to gain an increased understanding of the impact of working independently yet collectively towards a bigger mission and to become more aware of their individual as well as collective behaviour.