Proliferation of CCTV cameras have gone beyond traditional security application to attain business optimisation, service improvement, know-your-customers etc. To achieve these, advance visual analytics from each camera node alone is not sufficient. Fusion of the systems across the entire space is needed. Aggregation of visual analytics from network of cameras is important to provide global comprehension of the entire space. This is achieved by linking up intelligences from each camera for machine learning to discover insights and trends. This information could be plotted on a Situational Picture in conjunction with real-time information such as whereabouts of persons, their paths, semantics, etc. Together, they provide rich global information for applications areas such as retail, services, security and more.

**Features**

- Visual analytics that is capable to detect and track a person under dense crowd environment, challenging background scene, different operating condition
- Understanding human dynamics (e.g. Aggression)
- Extract appearance semantics from individual person
- Information discovery (insights and trends) from visual...
**Applications**

- Safety and Security
- Service improvement
- Business optimisation
- Know-your-customer
- Smart energy utilisation based on crowd distributions

**Benefits**

- Actionable systems from real-time information on human crowds and individuals
- Machine learning generated global information from entire camera network for effective decision making
- Multi-level processing from sensing to semantics identification and object tracking
- Visual analytics provide greater values with less resources