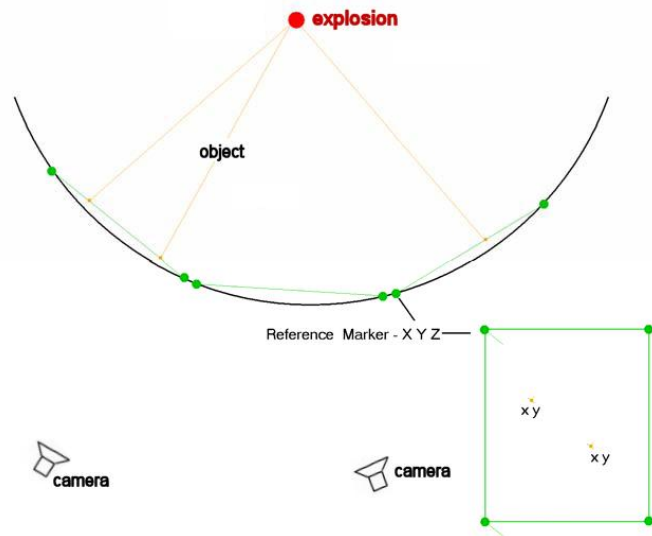


APPLICATIONS

TrackEye ARENA

This is an application where a video camera monitors a single or multiple screens where objects, or more precisely, traces of objects, appear. Each screen has reference markers with a measured 3D position.

The output is 3D position of screen impacts, together with certain object characteristics like speed, angle, area, etc.

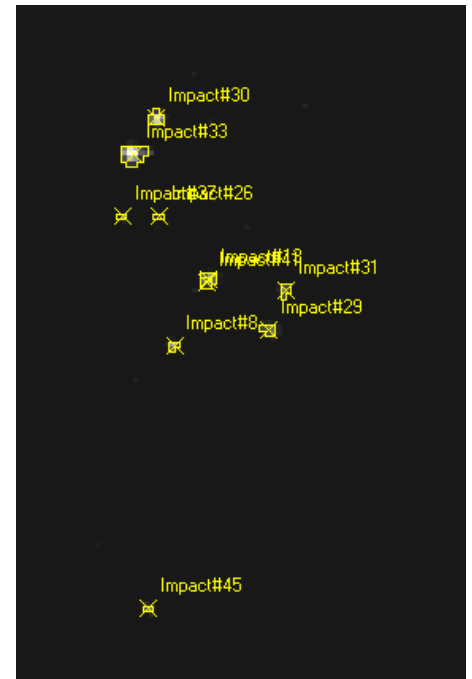


Shrapnel is the result of an explosion in the centre. Particles penetrate screens at a distance from the explosion. Cameras monitor the screens and record images of the event.

The position of each screen is given with surveyed 3D coordinates to reference markers.

From TrackEye point of view this not a typical tracking scenario, the difference is that objects have to be identified at instance of appearing.

Automation of the analysis process is also of high importance.

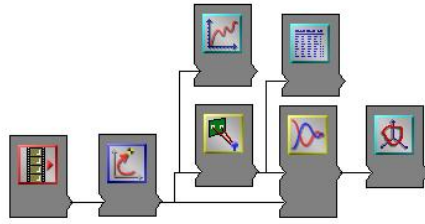


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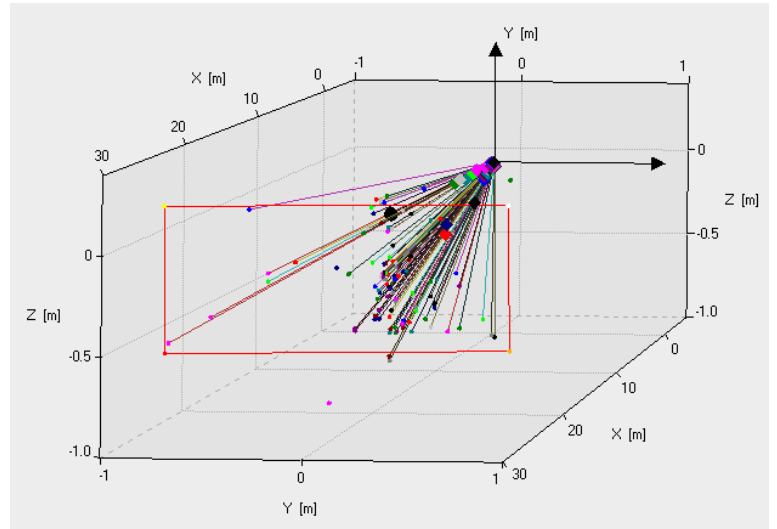
Tel : (+65) 67472555

Email: sls@hitech.com.sg Website: www.hitech.com.sg



Once everything is properly setup analysis is automatic and fully repeatable.

Visualization tools make it very easy for the operator to monitor the automatic tracking.



Typical output data from TrackEye ARENA is

- Panel hit (in a multi-screen scenario)
- Speed (for object at impact location)
- Time of impact
- Azimuth/elevation of hit (as seen from the origin)
- Area of impact

TrackEye software modules required

- TrackEye Basic
- ARENA

image
SYSTEMS

ARENA testing is an advanced application a test range.

The TrackEye ARENA is the perfect tool.



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