Bootstrapping
- Create a 3D point cloud
- Align it to cyber-information
- Run HD^4AR server

High-precision Vision-based Augmented Reality

HD^4AR Client
1. User takes a photo
2. Upload it to server

HD^4AR Server
3. Localize the user
- Feature Detection of New Image
- Feature Matching against 3D point cloud
- Camera Pose Recovery
4. Determine objects within user's view
5. Send them back to user

Overlay cyber objects