

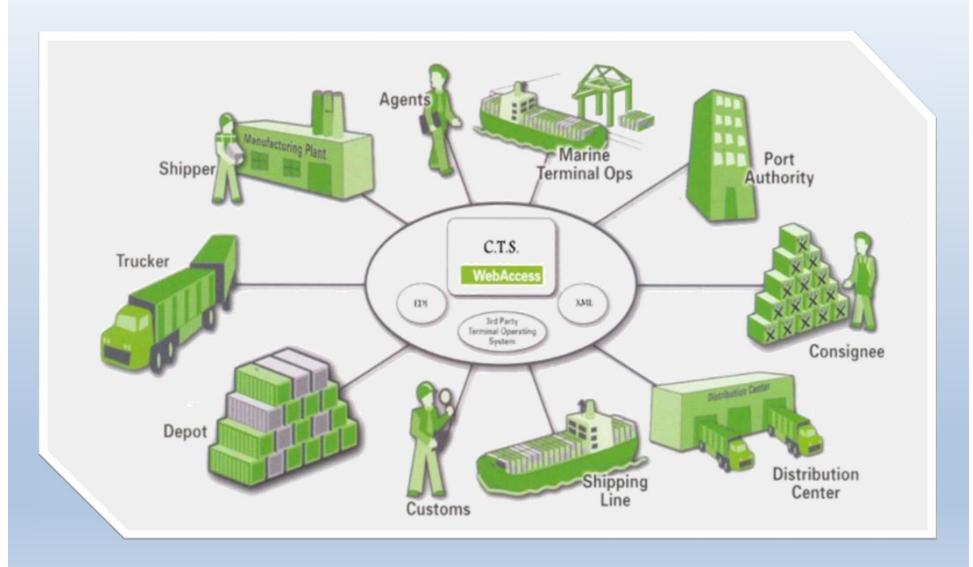
Using Game Engines in Designing a 3D Monitoring System for Container Terminals

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The Modern Port Community System







What's the TOS?

• **TOS** is an integrated software solution that organizes terminal operations to improve efficiency, ensure accuracy, increase visibility and terminal control to improve customer services and stay competitive. It enables terminal operators to do more with less, while improving productivity, reducing manual errors and ultimately improving customer services.



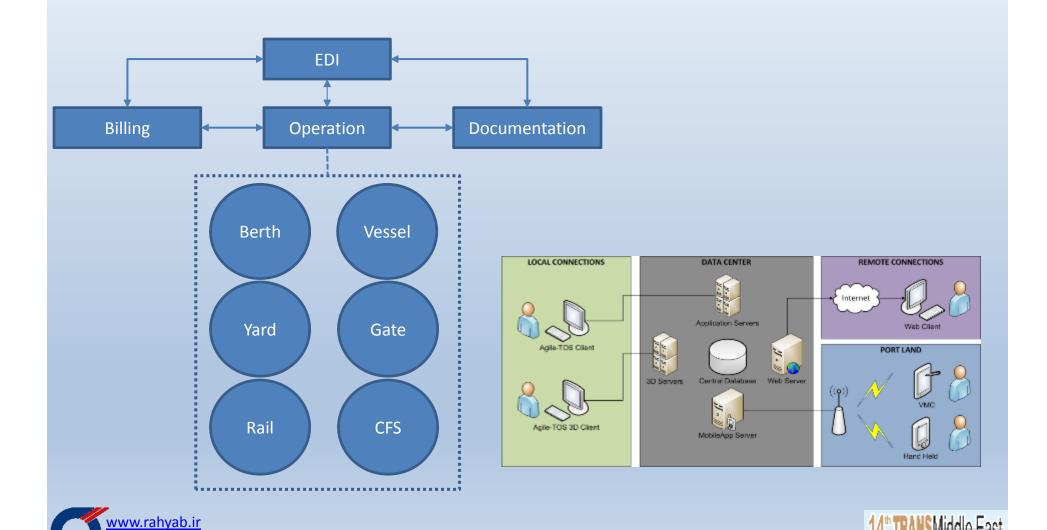






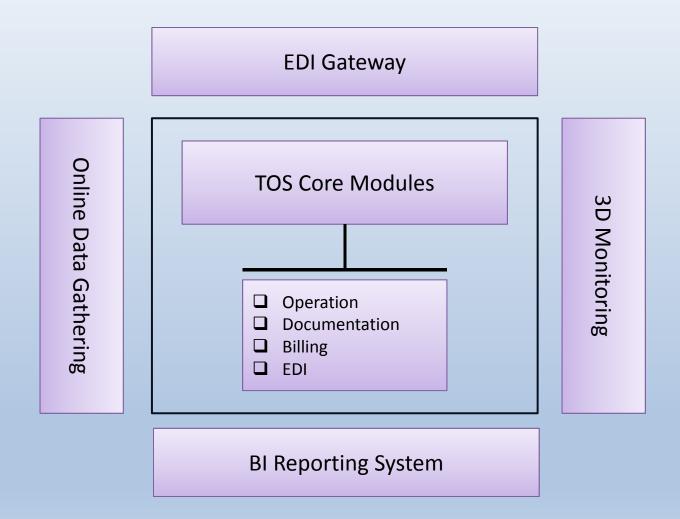


Terminal Operating System - TOS



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TOS Structure schema







MISE EN SCÈNE

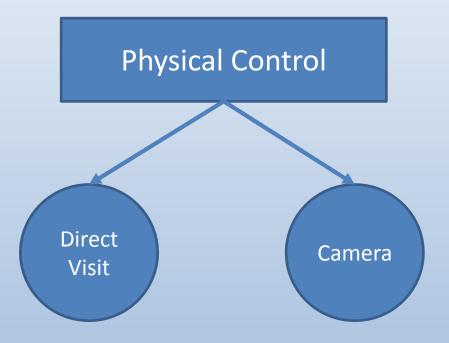
- Operation design and planning
- Operation execution monitoring
- Operational environment management
- Having a picture anywhere
- Open eyes Planning

The importance of having whole view on Terminal Operations





MISE EN SCÈNE



System Information

3D Monitoring





3D VS. 2D





- Immersion
- Powerful access to the Information
- User desired





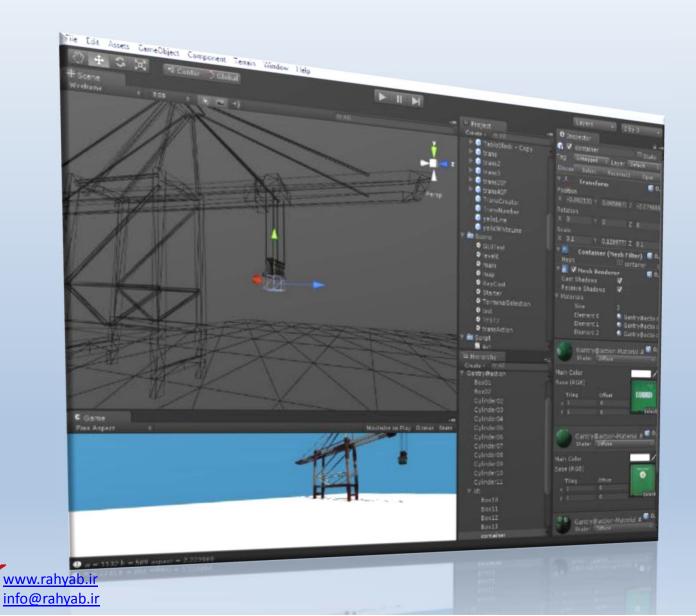
DESIGN PRINCIPALES

- Reality imagination
- High Immersion
- Reusability
- Data Independency
- Interoperability
- Customizable



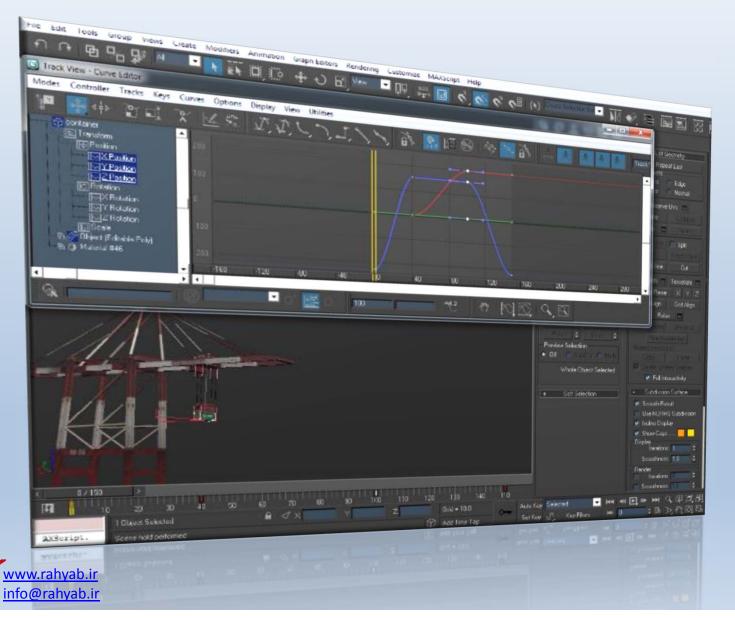


GAME DEVELOPMENT KIT

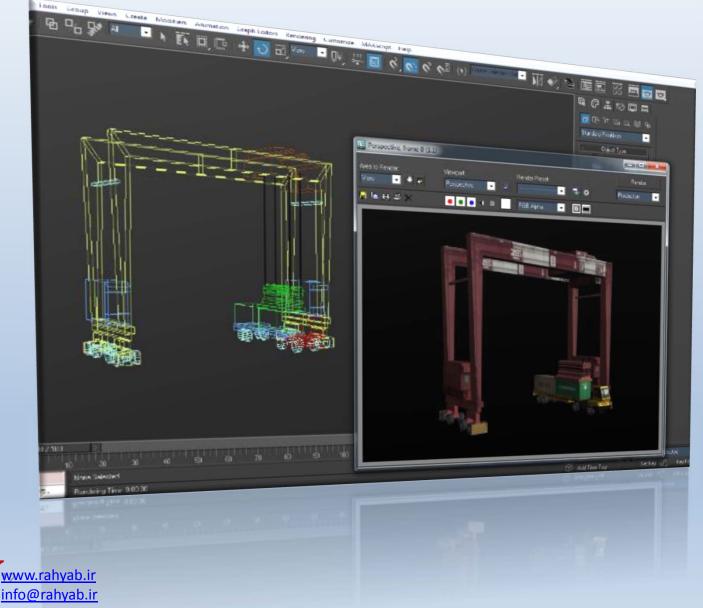




3D OBJECT DESIGN

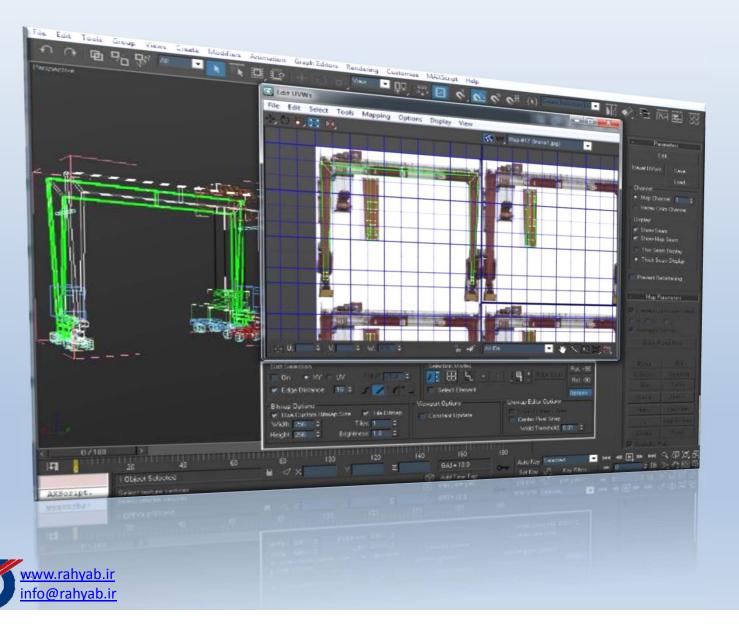


3D OBJECT DESIGN

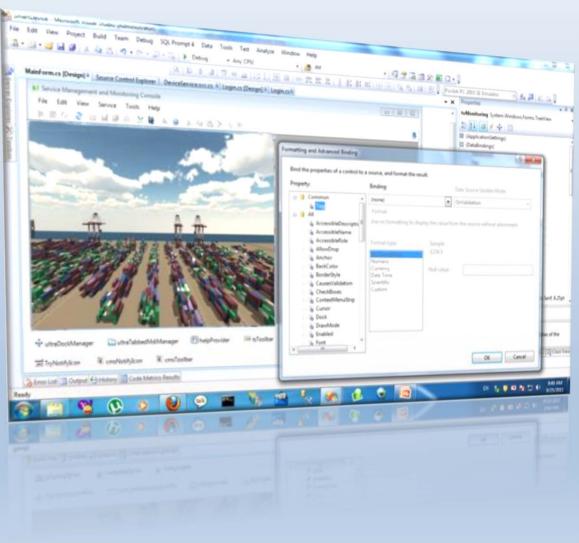




3D OBJECT DESIGN



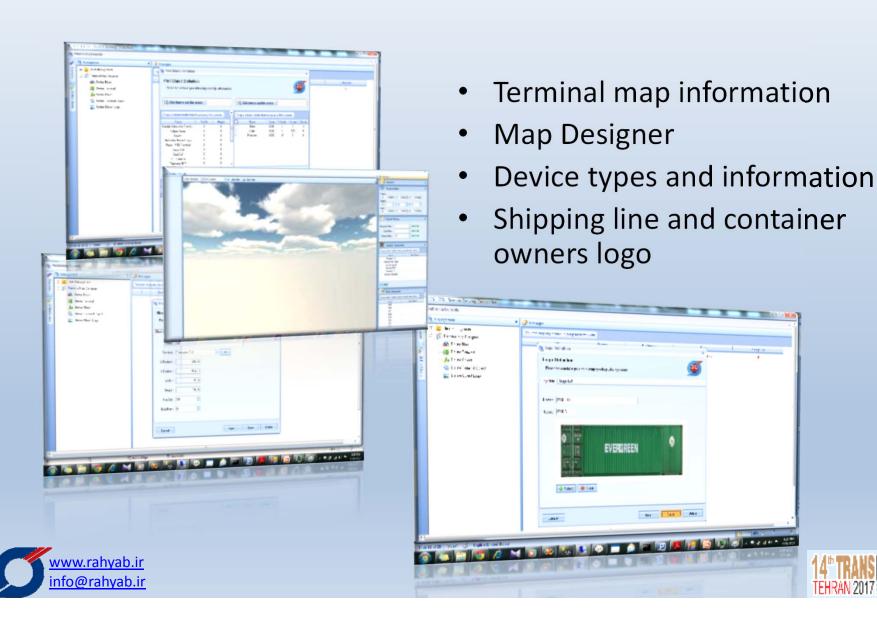
USING GAME EXE AS COMPONENT







CODING DATA



CURRENT DEVELOPED APPLICATION







THANK YOU FOR YOUR ATTENTION





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