



Police Academy
in Szczytno



The Simulator of Police Operations in Crisis/Emergency Situations



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Police Academy in Szczytno, Poland



The Police Academy in Szczytno, Poland

- Established in 1954, re-organized in 1990
- Member of the Association of European Police Colleges (AEPC); the European Police College organization (CEPOL) and the European Police Learning Network (EPLN)
- 4 journals published e.g. Internal Security journal
- Over 150 academic staff
- ca. 5 000 students graduated each year (including civilian student and law enforcement representatives)
 - BA, MA, postgraduated and vocational training.



The Police Academy in Szczytno, Poland

- **Research projects accomplished each year**
- **Several research projects conducted from the Polish National Centre for Research and Development funds**
- **End – users status and consortium member in various EU Research and Innovatin programmes e.g. the HOUSE, SECTOR, CAMINO**
- **Currently applying for funds under Horizon 2020**



MAIN FIELDS OF INTEREST

- Crisis management;
- Mass event security;
- Simulators;
- Terrorist threats and cyber crime counteracting;
- Reducing crime through public space design;
- Fight against organized crime;
- Criminal analysis (strategic and operational);
- Financial Fraud counteracting / Assets recovery;
- Drug related crime combat;
- Criminology and forensic science;
- Operational control, investigation and surveillance;
- Early warning of threats detection.



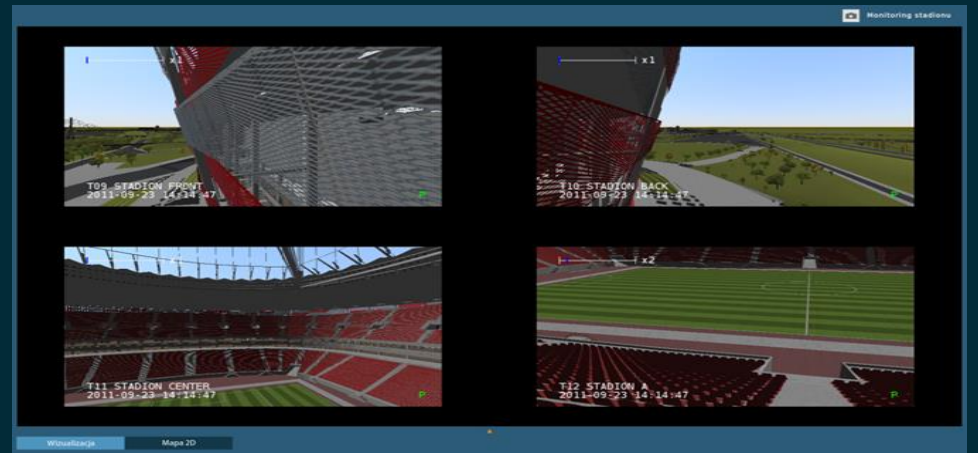
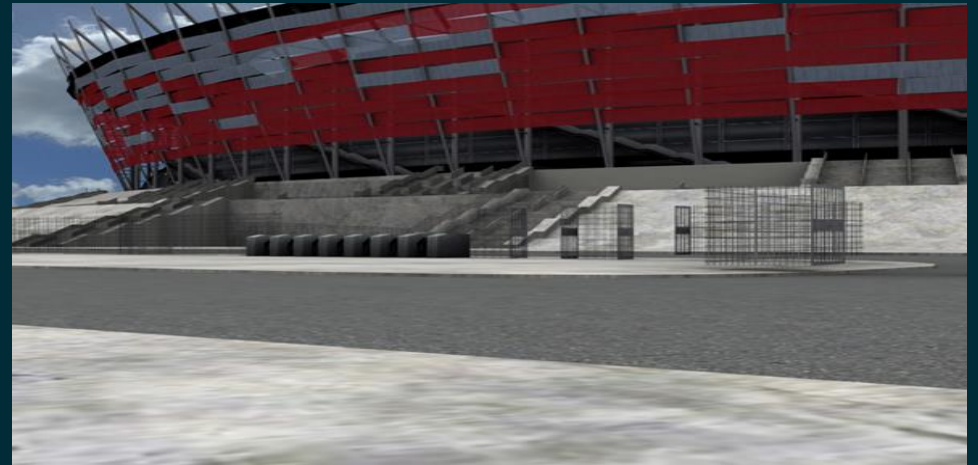
Simulator of Police Operations in Crisis/Emergency Situations

- Police operation tactics and formations – simulation
- Appliances of Police reactions: riot control, road traffic control, SWAT use, municipal services and rescue teams support
- Variable crowd proportion and aggression level
- Interactions between objects (crowd-police)
- Simulation of CCTV system





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The project was conducted in 2009-2012 in consortium with ETC-PZL Aerospace Industries Sp. z o.o.



HOW TO FILL THE GAP?

AI: on Instruktor

- Sily i Środki
- Kompania 1
 - Pluton 1
 - Pluton 2
 - Pluton 3
 - Pluton 4
 - Pluton 5
 - Pluton 6
 - Pluton 7
 - Drużyna 19
 - Drużyna 20
 - Drużyna 33



Wizualizacja Mapa 2D Historia Mapy Komunikaty dla studentów Graphical Attachment Staff Log Komunikaty Systemowe Scenariusz

- Pojazd 129 : Pojazd opuszczony
- Pojazd 128 : Pojazd opuszczony
- Pojazd 127 : Pojazd opuszczony
- Pojazd 126 : Opuszczanie pojazdu...
- Pojazd 125 : Opuszczanie pojazdu...
- Pojazd 124 : Opuszczanie pojazdu...

Czas astronomiczny 14 : 16 : 34
Czas operacyjny 00 : 08 : 35

kontrola ćwiczenia



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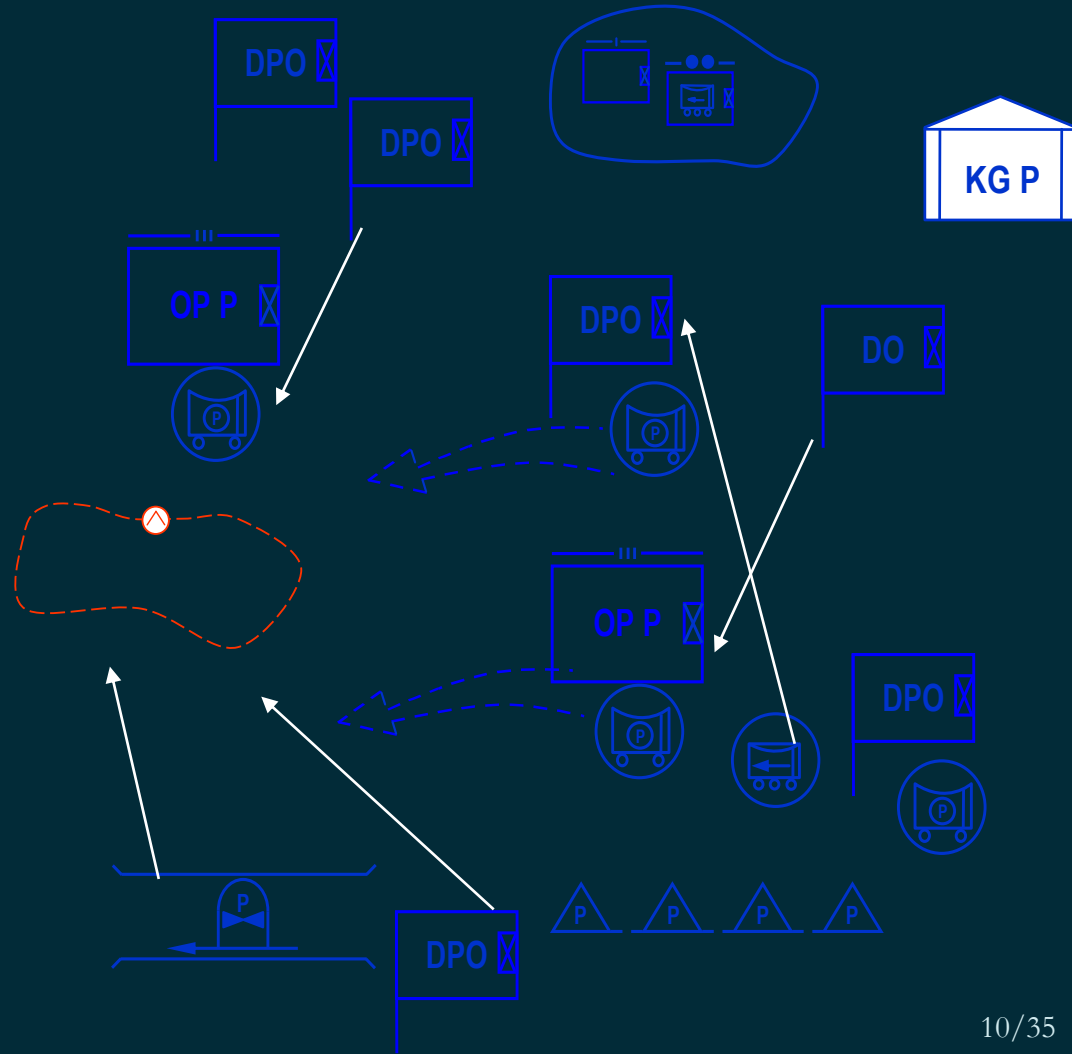
What is the POLICE OPERATIONS' SIMULATOR?

A Virtual Reality Training System
that Simulates large operations
used to train Police Operational Command Team





CLASSROOM of the TRAINING





A TACTICAL TRAINING





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A REAL LIFE SITUATION



sebafoto.com





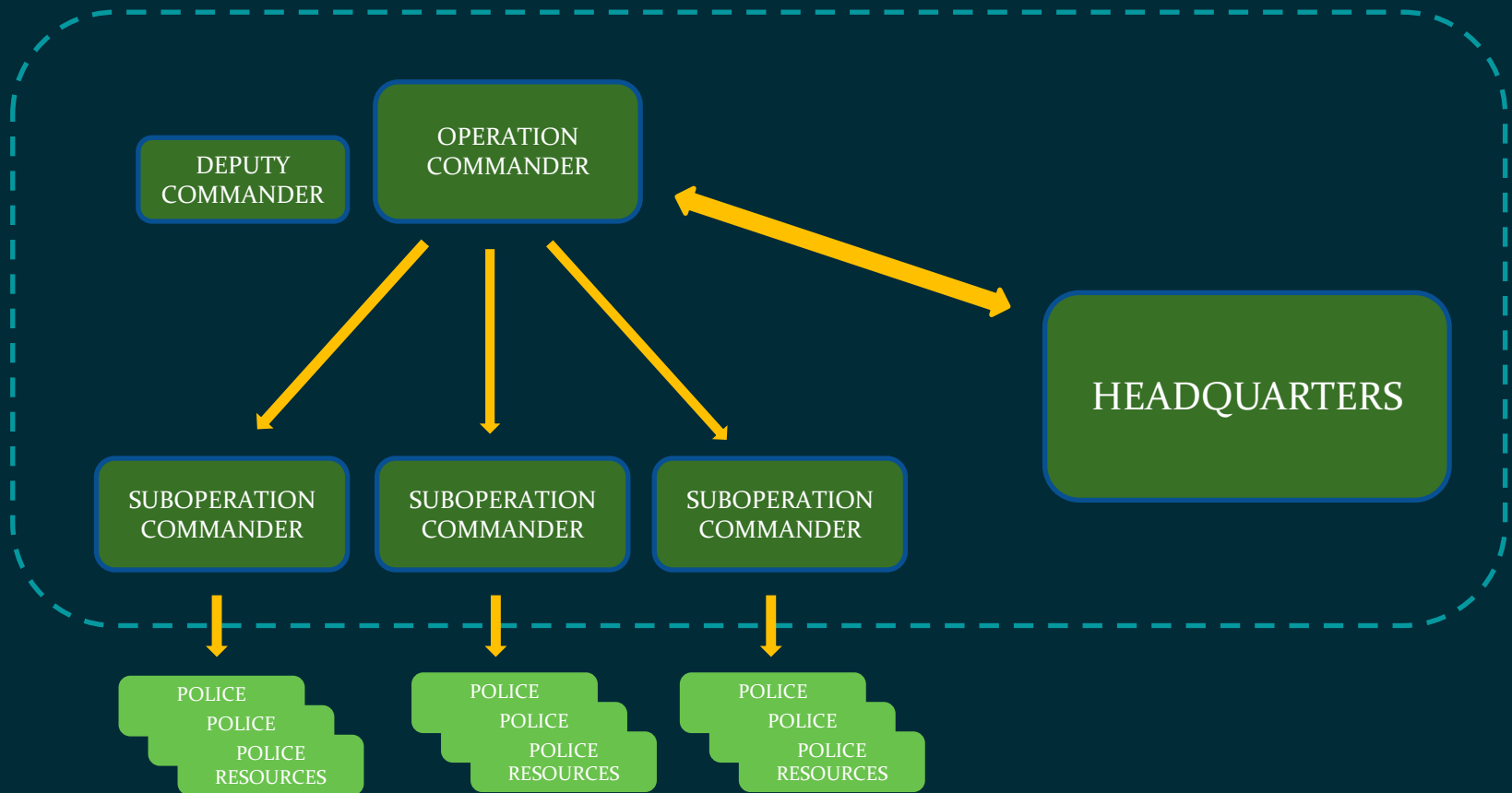
THE POSSIBILITY TO SIMULATE DIFFERENT CRISIS SITUATION SCENARIOS

Injects	Injects
Crowd group	Passenger car crash
Controversial politician	Tanker crash
Fan Zone	Aircraft crash
Telebim set	Riot in prison
VIP transfer	Bank robbery
Passenger car crash	Bomb planting
Tanker crash	Building fire





THE RANGES OF THE TRAINING



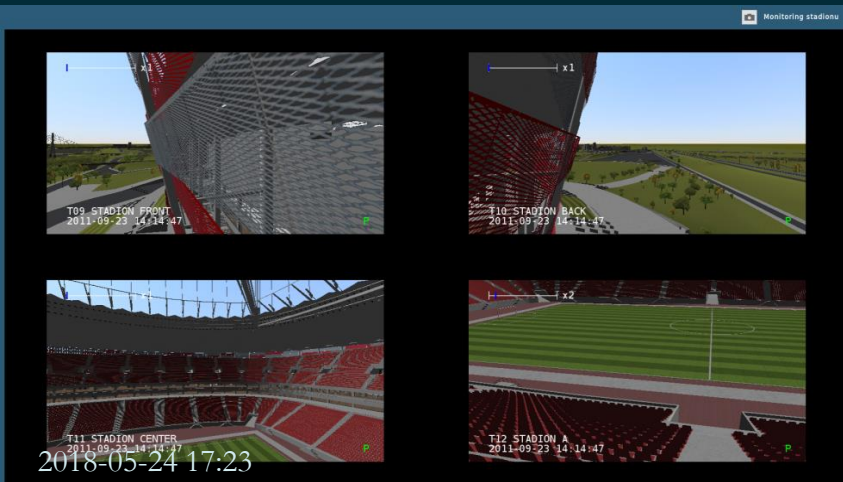
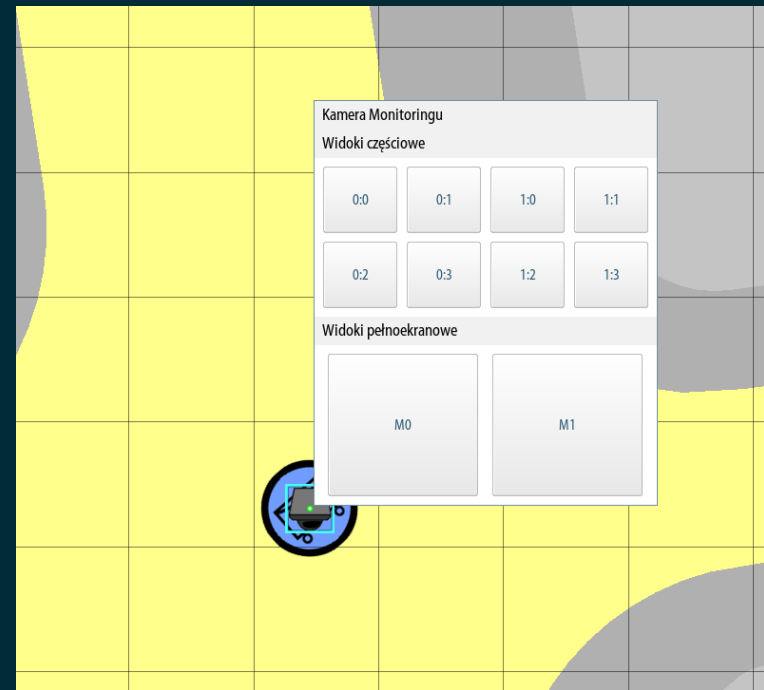
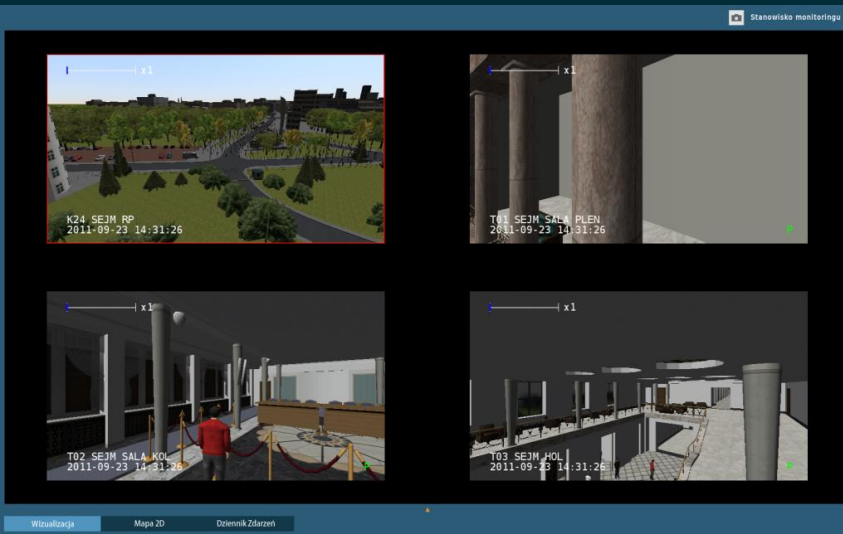


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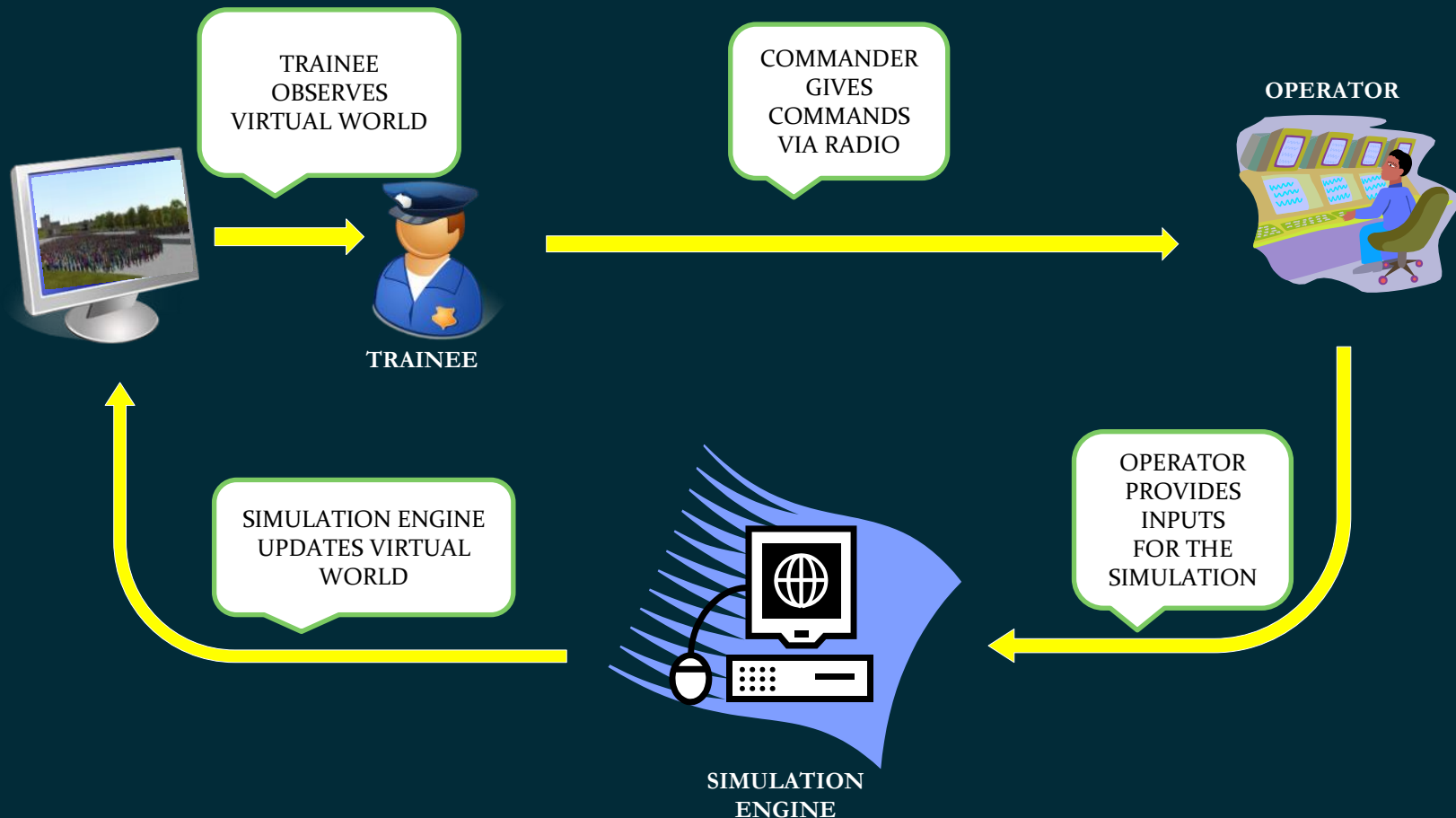
REAL INFORMATION SOURCES



- CCTV
- REAL LOCATION AND
TERMINOLOGY



HOW DOES IT WORK?





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HIGH QUALITY MODELS





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HIGHLY DETAILED





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ASSOCIATED SERVICES





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INTERACTION MODELS

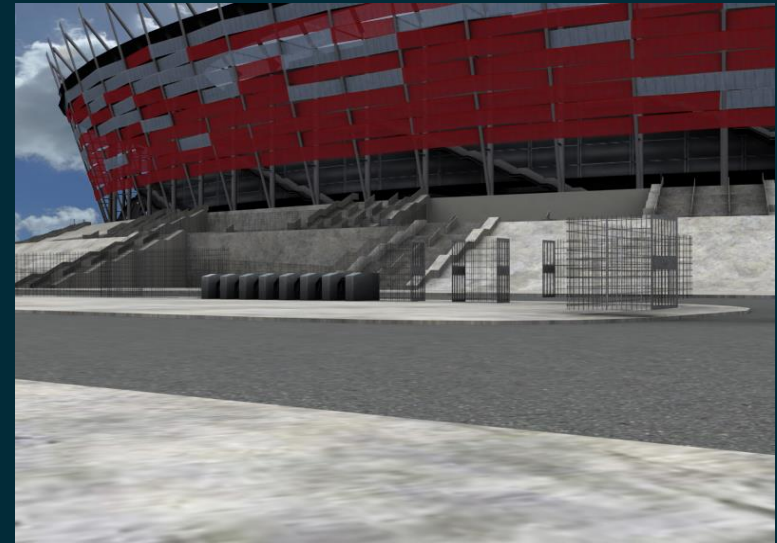




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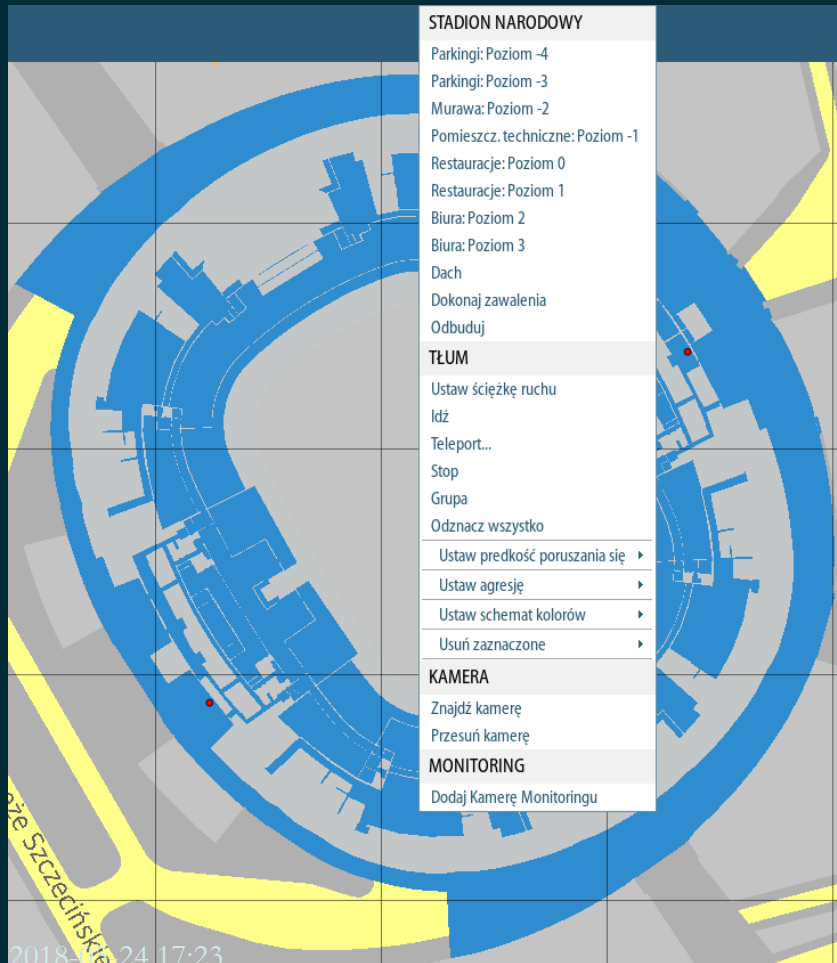


CITY DATABASE – CITY OF WARSAW



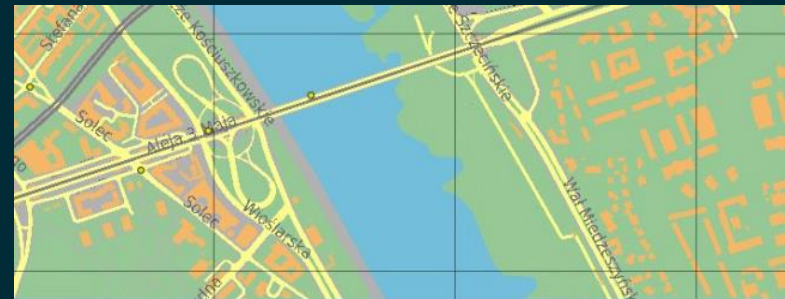


BUILDINGS INTERIOR





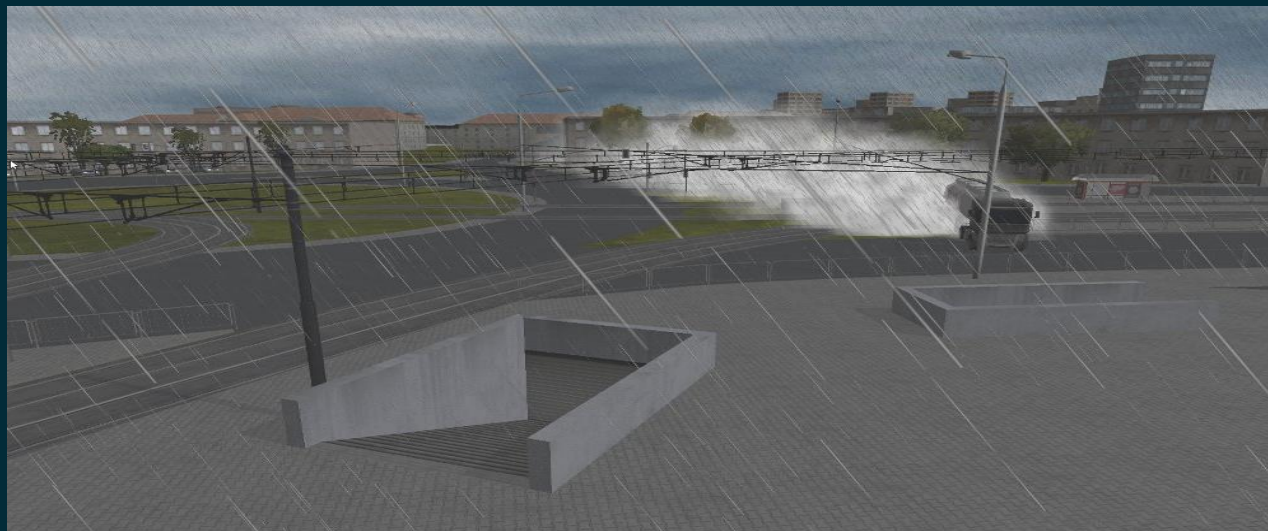
CHANGES OF ASTRONOMIC TIME



	Mgla	Opady	Wiatr	Zachmurzenie	Czas
Warunki	7 km	<ul style="list-style-type: none">● Słonecznie● Deszczowo● Śnieżnie	5 m/s	0%	14 08



WEATHER CONDITIONS





Conclusions

- ✓ Simulation based training is being widely used for the purpose of Police vocational training;
- ✓ Modern and attractive way of Police training;
- ✓ 'Low-cost' way of improving Police commanding skills;
- ✓ Variety of scenarios are implemented during the training that result in dynamic decision making process of commanding team;
- ✓ Actual improvement of Police officers skills with no „real responsibility” that may cause any losses in people's life or health or any property.



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THANK YOU
FOR YOUR ATTENTION!!!



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