

THE ERA OF
COMPUTER
GAMES



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BāSE

CONTENTS

1. The Business of Games
2. Serious Games
3. The future of gaming





I JUST WANT TO MAKE GAMES

WHY IT IS IMPORTANT TO UNDERSTAND THE BUSINESS SIDE OF GAMES?

HOW MUCH IT COSTS TO MAKE A GAME?

- What drives the cost?
- Salaries
- Equipment
- Software
- Licensing (Content, Platform)
- Overhead (Rent, Taxes, Legal, Accounting, Travel etc)



HOW MUCH IT COSTS TO MAKE A GAME?

- 1996 - Crash Bandicoot
- 1999 - Unreal Tournament \$2M
- 2004 - Half life 2 - \$40M
- 2006 - Gears of WAR - \$10M
- 2008 - PS3/Xbox titles \$20-30M
- 2009 - CoD modern warfare - \$200M
- 2014 - Destiny \$140M



FUNDING MODELS

- You get contracted to make a game
- Self funded - Bootstrapping
- Trade equity for Money (Angels, VCs)
- FFF (Friends , Family and Fools)
- Funding Grant (Government, Foundation grants, Incubation programs, Tax incentives, Crowdfunding)
- Get a Publisher (Nintendo, Sony, Microsoft, EA, Activision) for PR, Marketing, Sales - Royalties



WHAT DO YOU NEED BEFORE FUNDING?

- Teaser
- Trailer
- Playable Demo
- Narrated Overview
- Detail Overview Video



WHERE DO YOU SELL?

- Retail
- Platform Channels (XBLA, PAS, WiiWare)
- Steam (Digital distribution channel for PC/MAC/Linux)
- iOS App store, Google Play, Amazon, Windows Store (70% developers, 30% publisher)
- Web based through your website (Minecraft)



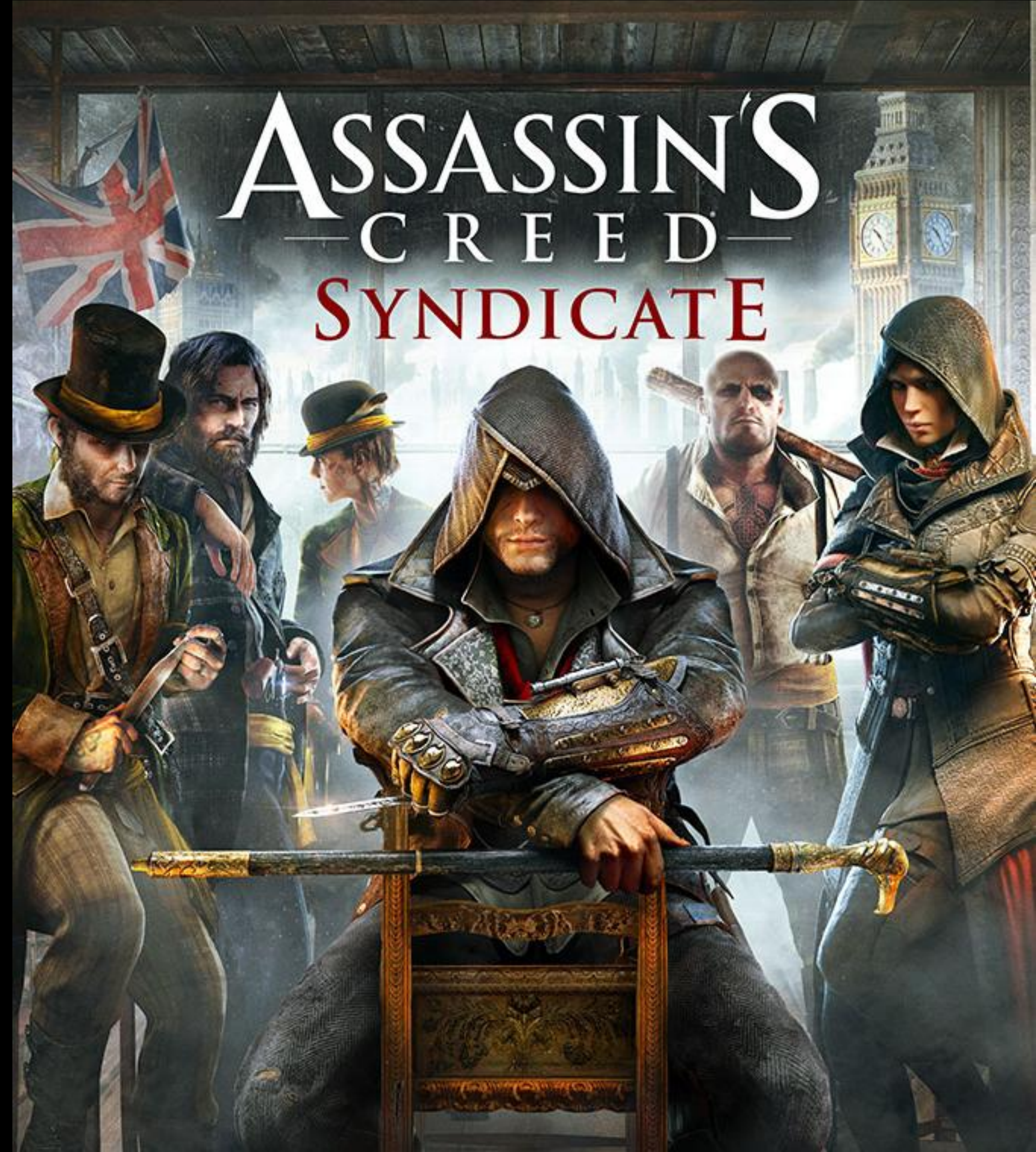
REVENUE MODELS


- Subscription based
- Game is Free. In - App purchases (Pay for in game consumables, other items)
- Ad-Supported
- Sponsorship/Licensing (Licensing to other companies, different platform, brand)



IP PROTECTION

- PATENTS
- COPYRIGHTS (works, source code, protect the expression of the idea)
- TRADEMARKS (Word , name, symbol) , is your brand.
- TRADE SECRETS (NDA's with employees)



A large, reflective silver sphere is positioned in the center-left of the frame, floating in space. The sphere is highly reflective, showing a clear reflection of the Earth's surface and the bright sun. Below the sphere, a complex satellite structure with various panels and antennas is visible. The background is a vast expanse of Earth from space, showing the curvature of the planet, the blue atmosphere, and the white cloud cover. The sun is visible in the upper right, creating a bright glow and casting a long, shimmering path of light across the Earth's surface. The overall scene is set against the dark, starry background of space.

“You don’t make money by working on things;
You make money by shipping things.”

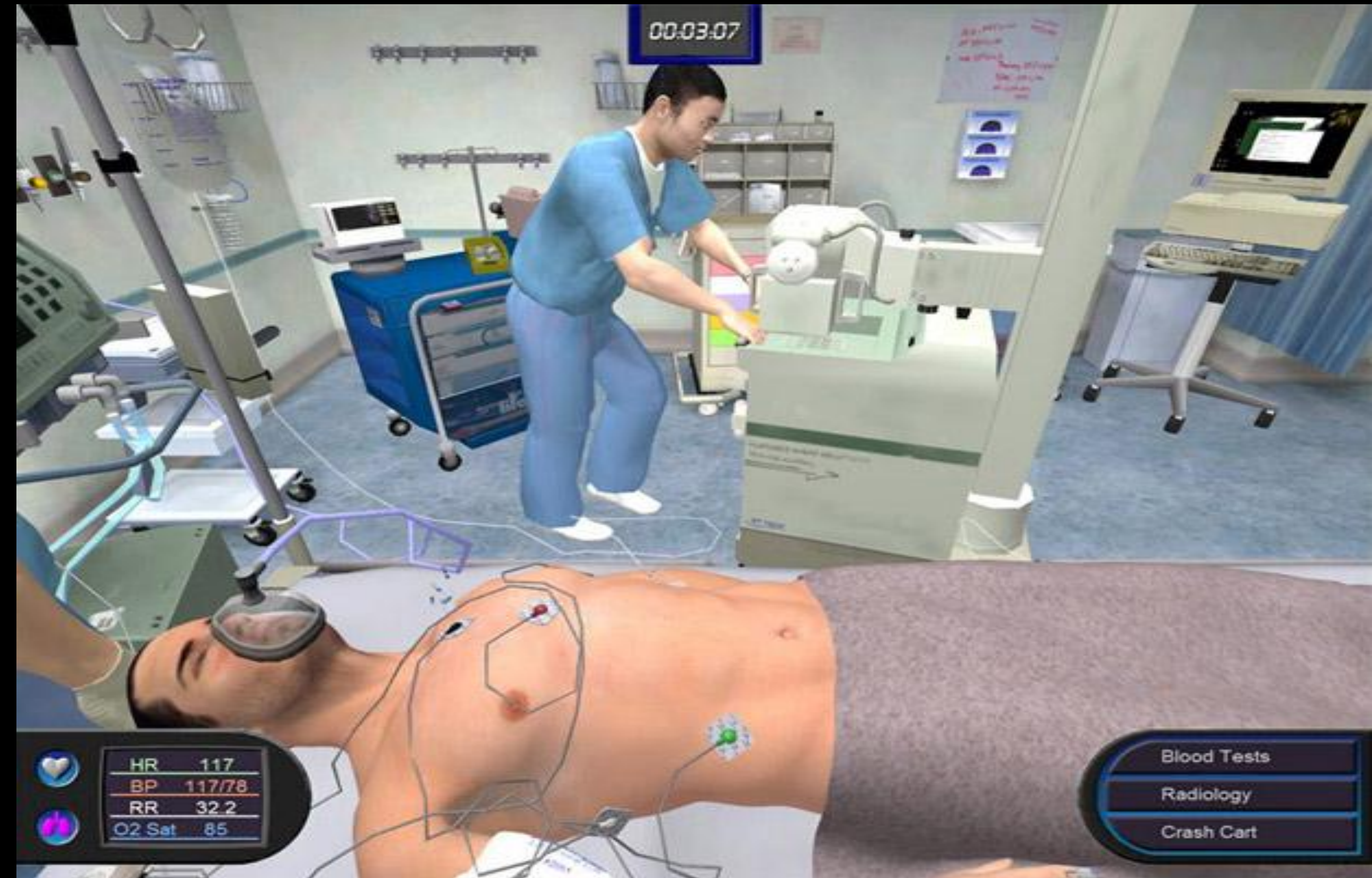
DAVE LANG (KILLER INSTICT 2)

SERIOUS GAMES

A **serious game** or **applied game** is
a game designed for a primary
purpose other than pure
entertainment

WHY USE SERIOUS GAMES?

- Practice (Learning by doing)
- Repetition/Habit
- Realistic - Risk free environment



CASE STUDIES – COOKING SKILLS



CASE STUDIES – BIOLOGY



Source : zoo Tycoon 2

CASE STUDIES – HISTORY



Source : Civilization III, Revolution

CASE STUDIES – HEALTH



CASE STUDIES – MILITARY



Source : Civilization III, Revolution

UNIVERSITY OF CYPRUS

CASE STUDIES - POLICE



Current system



CASE STUDIES - MILITARY



Modelling areas that is difficult for the military to access (Occupied areas, Divided line)

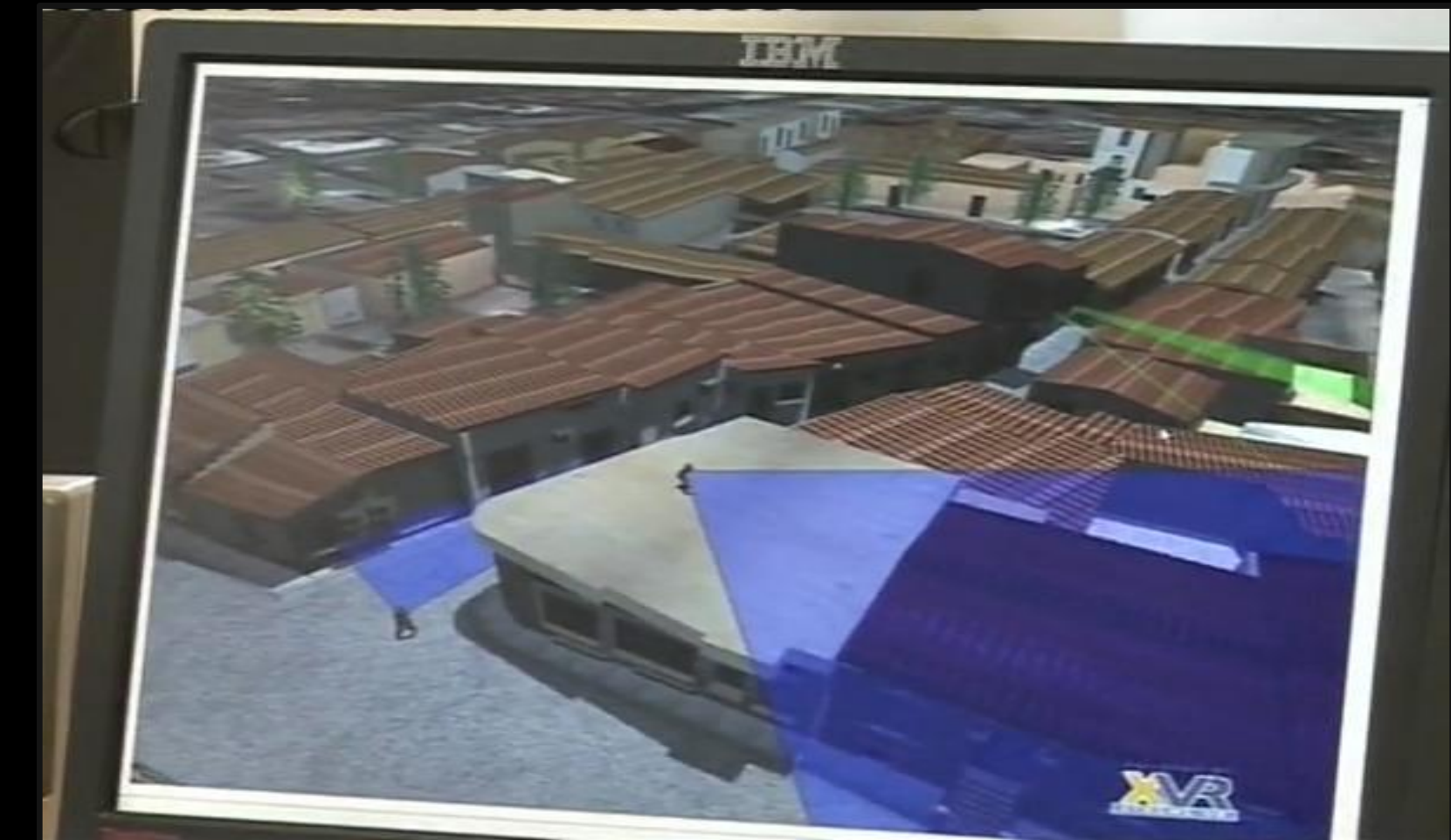
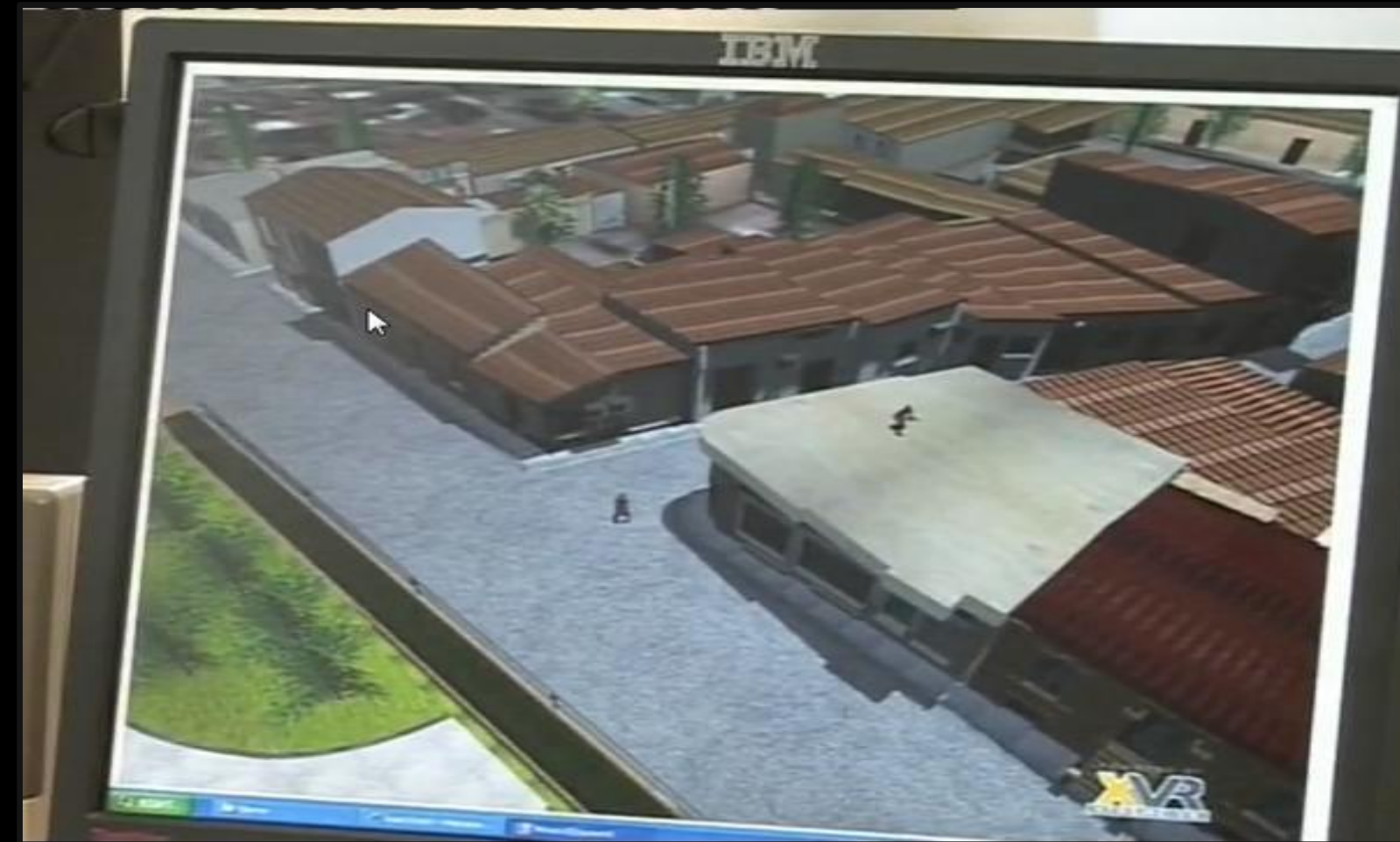
TRAINING SIMULATOR



Team leader

Team leader places his team and material in the field

Trainer can evaluate the placement



trainer

NETWORKED TRAINING FOR THE TEAM



soldiers

- The seven team members and the leader can connect and take control of the placed avatars
- One can be in the VR system

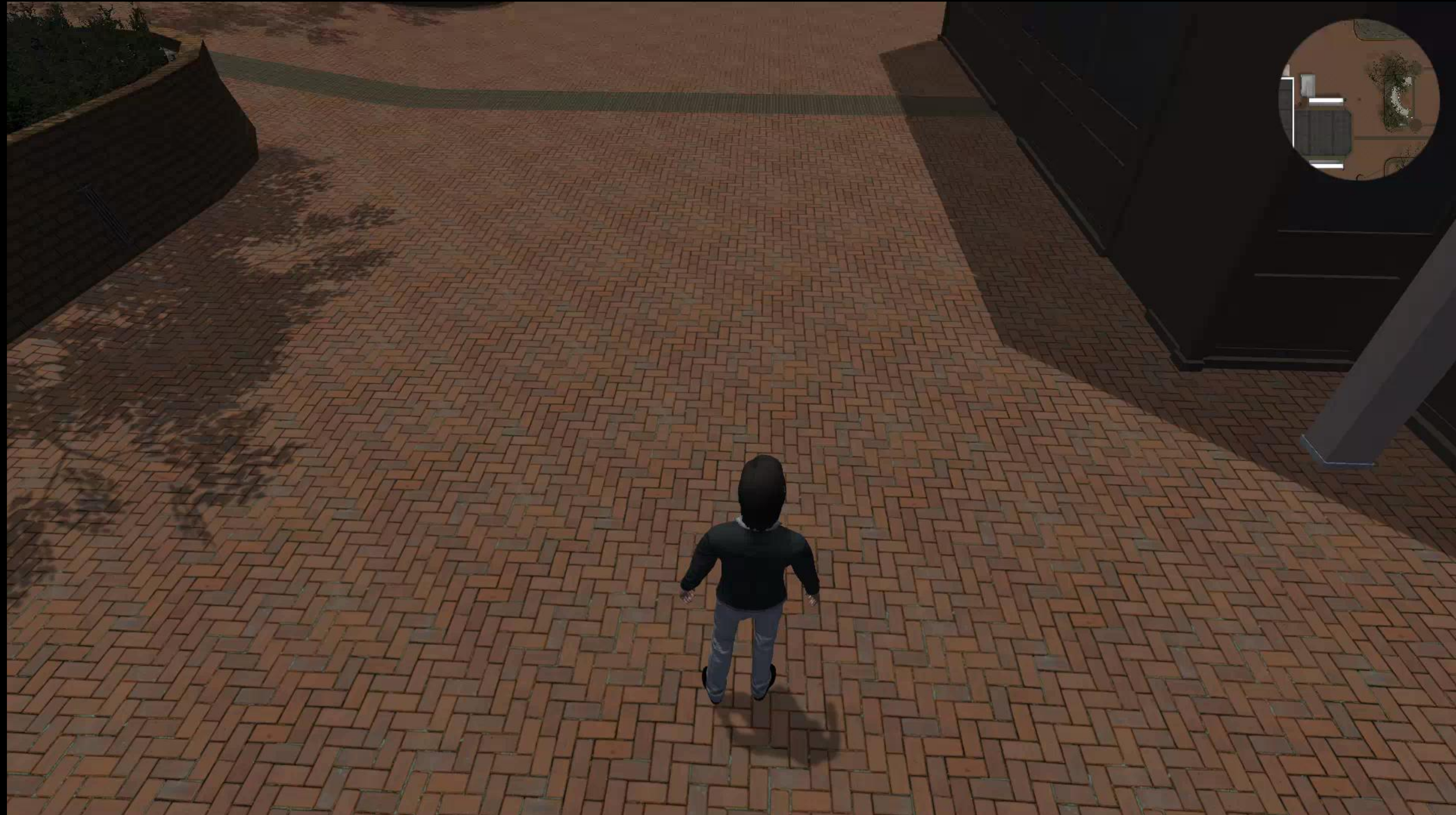


NETWORKED TRAINING FOR THE TEAM



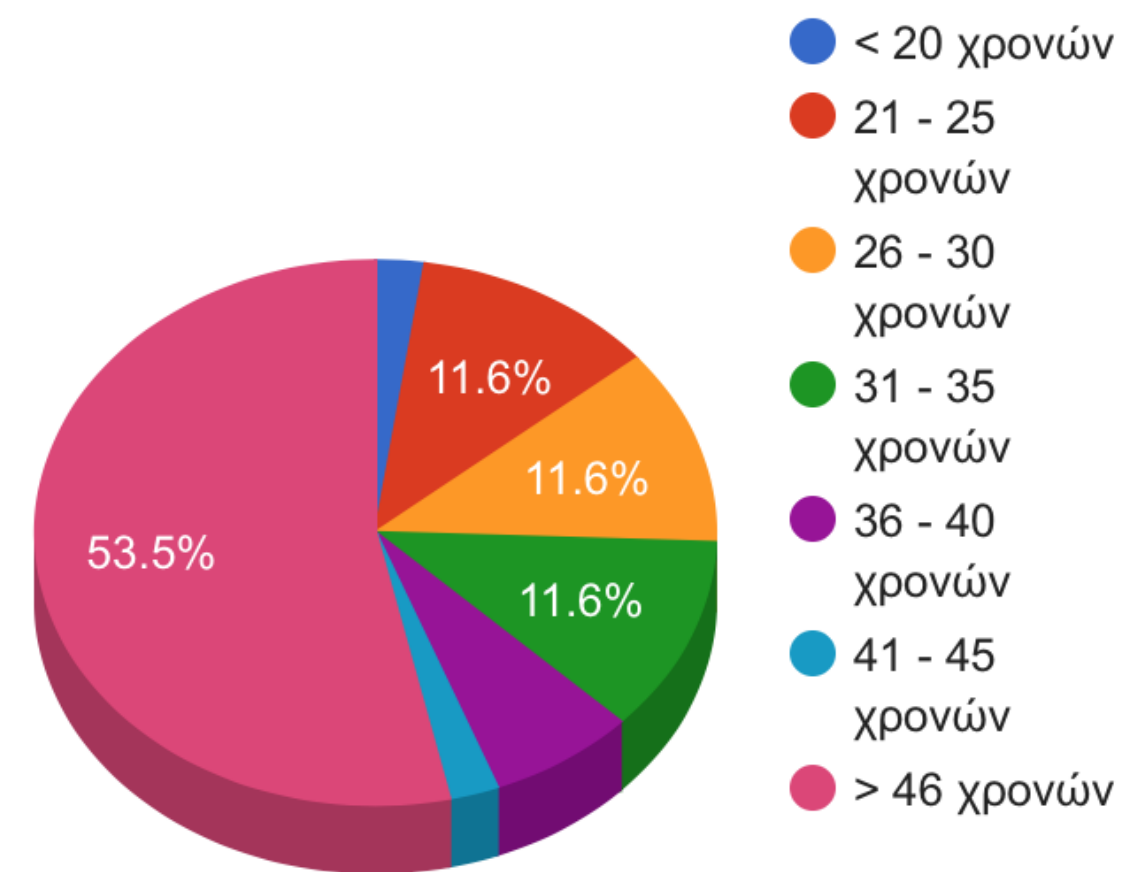
BāSE

BECOME A SUCCESSFUL ENTREPRENEUR



REAL TIME ANALYTICS

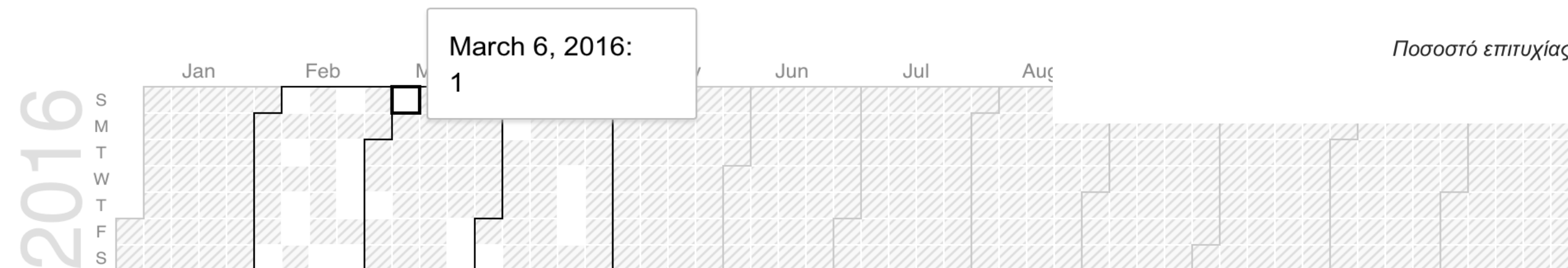
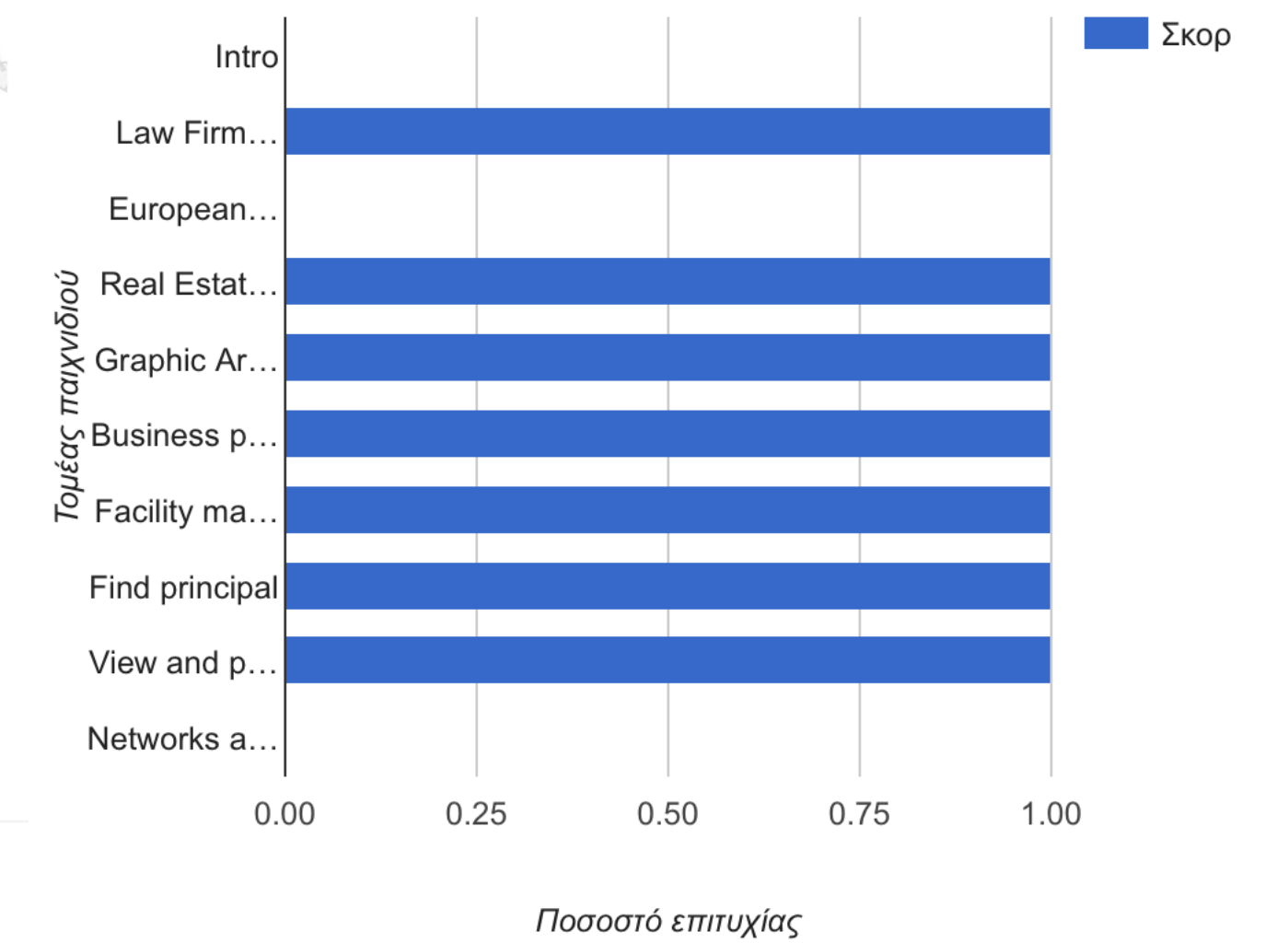
Κατανομή ηλικίας παιχτών

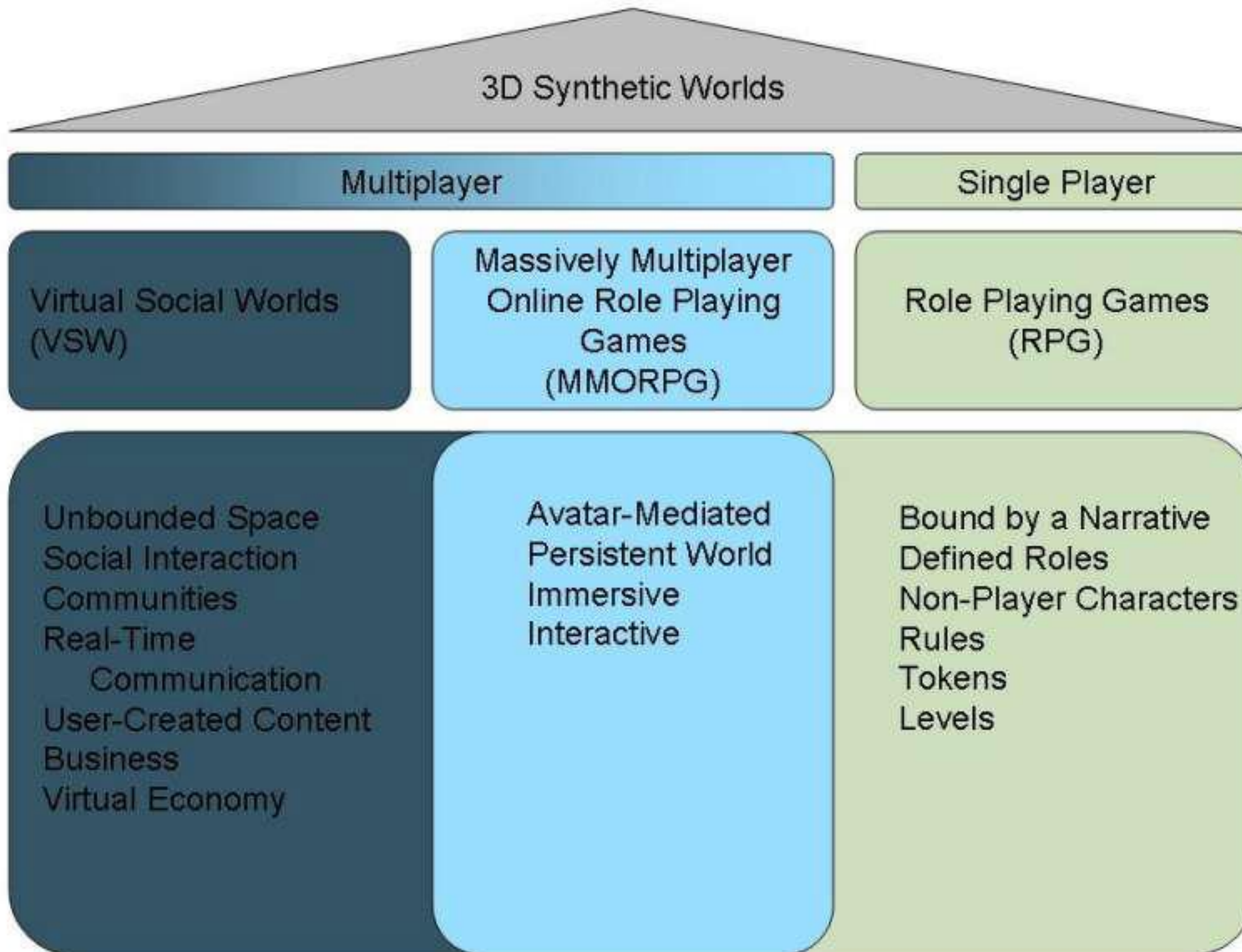


Γεωγραφική θέση ενεργών παιχτών



Αποτελέσματα ανά τομέα του παιχνιδιού





ARG (ALTERNATE REALITY GAMES)

- I LOVE BEES (HALO / Microsoft)
- LOST EXPERIENCE (Movie Lost)
- PAC-MANHATTAN
- TOURALITY
- GEOCATHING



FUTURE USES

VIRTUAL WORLDS



FUTURE USES

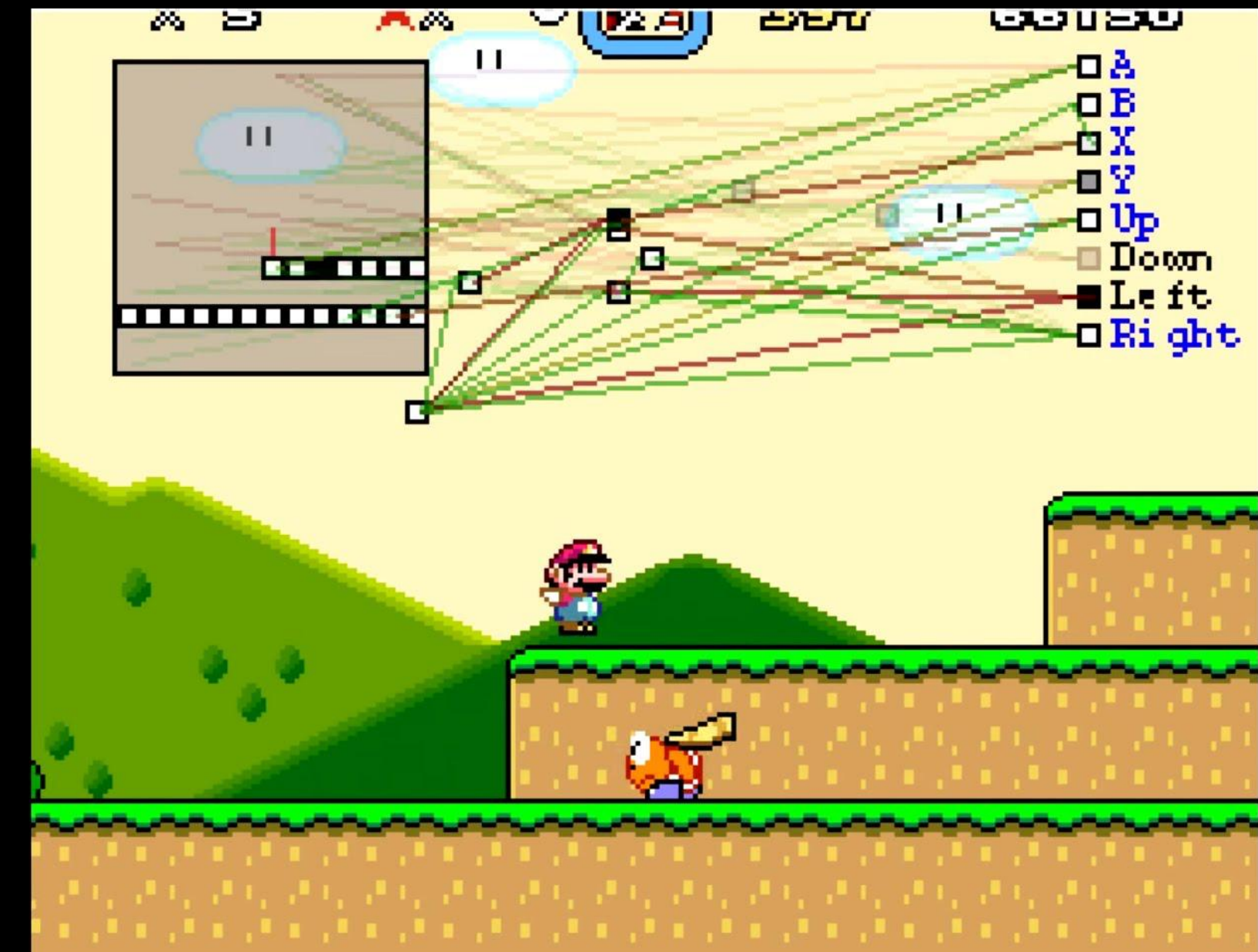
VIRTUAL REALISM



FUTURE USES

PERSONALIZATION / ADAPTATION

- The system automatically adapts its behavior
- Based on the current user's behavior
- Is specific to each user
- It learns the user's behavior (Machine learning)



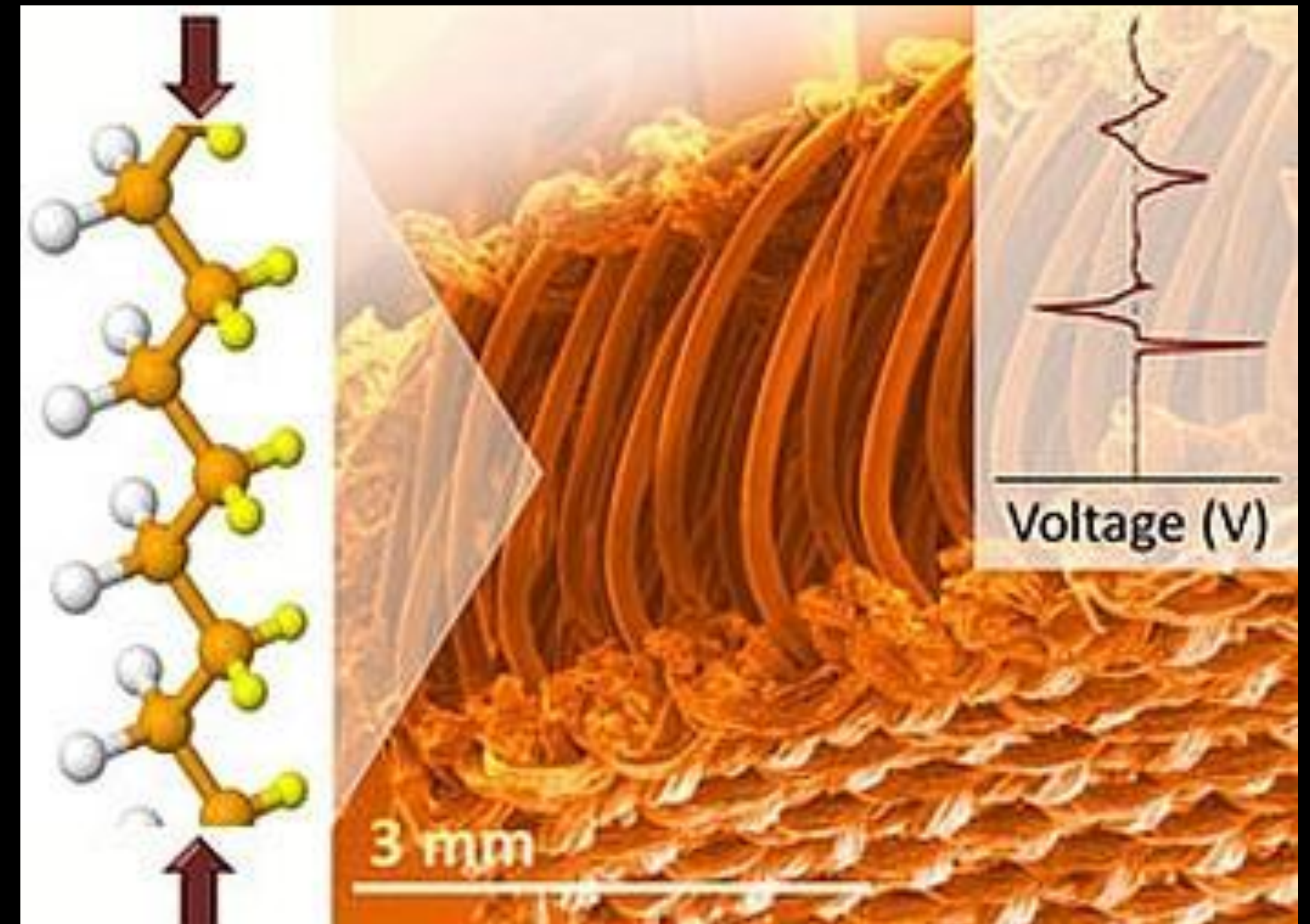
FUTURE USES

SENSORY INDUCTION GAMING

New Ways of Control (Gestures)

Flexible fabric embedded
programmable

Wearable Gaming



FUTURE USES

SENSORY INDUCTION GAMING

(REBIRTH OF VIRTUAL REALITY)

- Facial Expressions
 - Cloud Gaming
- Emotion recognition
- All senses stimulated



FUTURE USES

HOLOGRAPHIC GAMING

- A new experience of visual aesthetics
- Entire battlefields can be created



THANK YOU
Questions?



BāSE Become a successful Entrepreneur