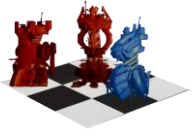
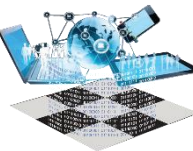




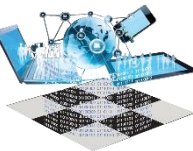
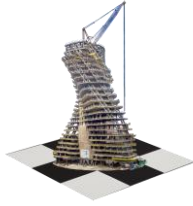
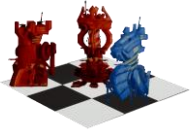
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Bienvenidos a todos

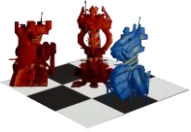


Welcome of Authorities

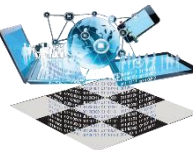
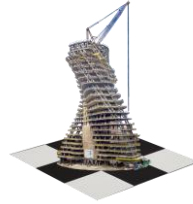
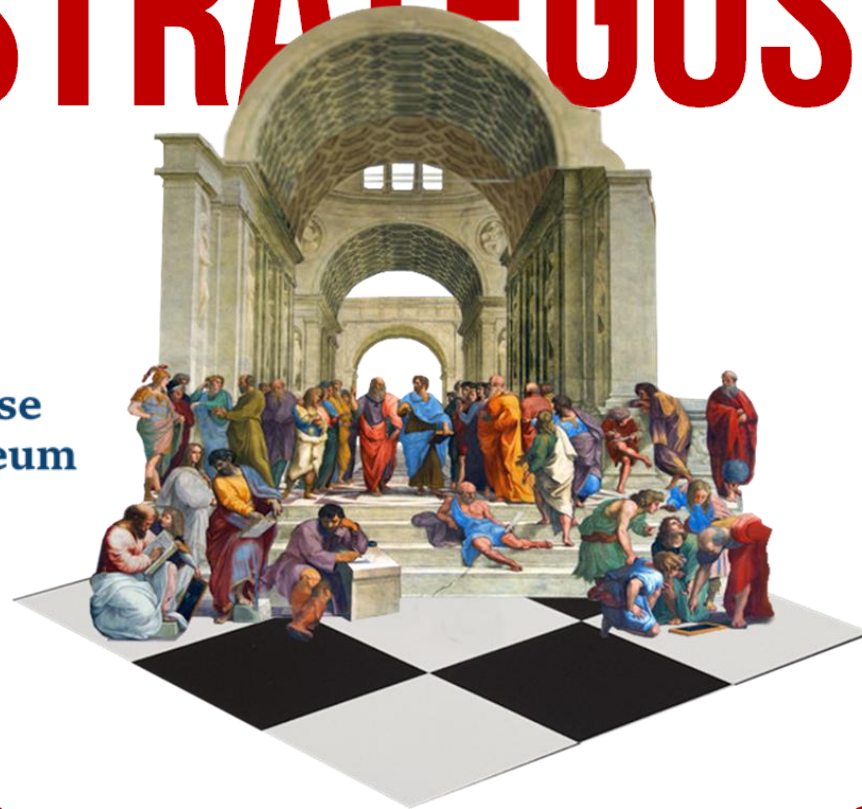


Master of Science in Strategic Engineering

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www.itim.unige.it/strategos

STRATEGOS and Genoa University promote International Cooperation



STRATEGOS and Genoa University promote International Cooperation

Agostino G. Bruzzone & Giovanni M. Ferraris
STRATEGOS, Simulation Team, Università di Genova
{agostino.Bruzzone, marco.gotelli}@simulationteam.com

Sponsored by our Spin Off



AI, Simulation, Digital
Transformation & Data
Analytics are major
topics for our Engineers





Agostino G. Bruzzone

STRATEGOS

**Engineering Technology for Strategy & Security in Industry,
Business, Service of Society, Government & Defense**



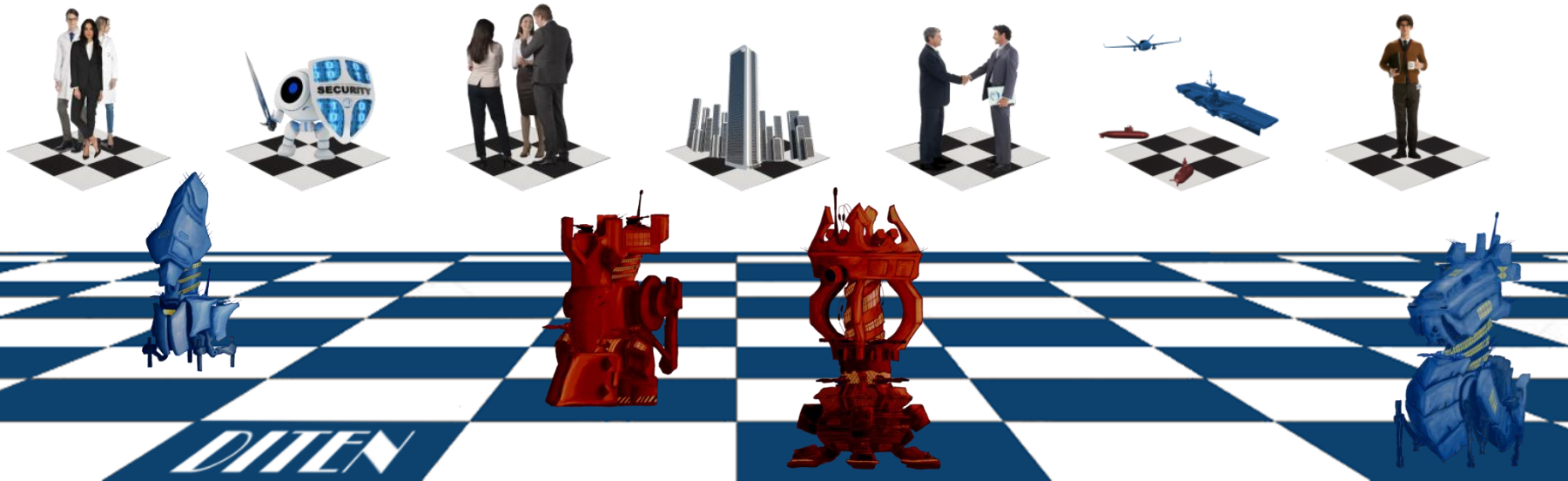
a STRATEGOS...

*...is gifted in the Art to Know better
what is Happening and is likely to Happen*

Socrates in Laches, 198 E, 423 B.C.



7



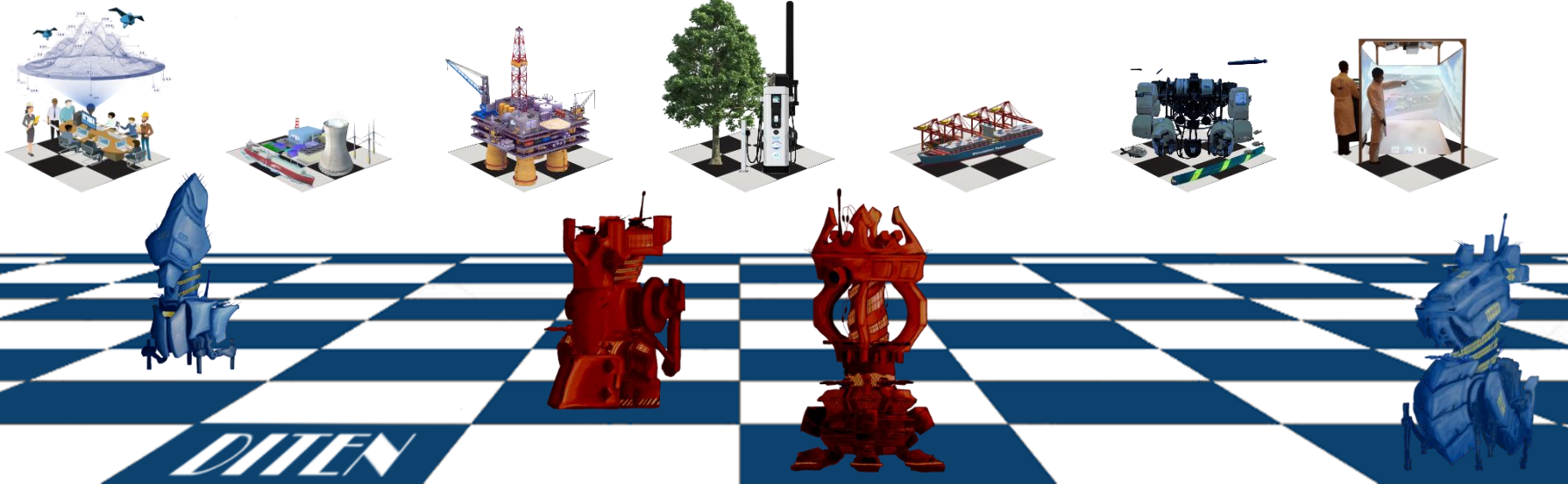
夫未戰而廟算勝者，得算多也；
未戰而廟算不勝者，得算少也；
多算勝，少算不勝，而況於無算乎？
吾以此觀之，勝負見矣。

a STRATEGOS...

...who win a battle makes many calculations in his temple ere the battle is fought, while the general who loses makes few calculations beforehand



Sun Tzu, Art of War, Laying Plans, 7, 500 B.C.



Un uomo può mettere in fuga un esercito e non è esagerazione, lo ho veduto degli eserciti colti dal panico fuggire davanti non ad un uomo solo, ma a meno d'un uomo, davanti ad un pericolo immaginario.

... knows that the value of a Man of Courage is incredible! One man can scare away an army and that's no exaggeration. I've seen panicked armies run away not just before one man, but before less than one man, before an imaginary danger.

Giuseppe Garibaldi, Hero of the Two Worlds, Clelia, 1870 A.D.



Lê o considera e mirè comme di senplici
strumenti pe focalizâ a seu energia, cöse
che peuan ese cangiaë quande cangian e
prioritæ: de neuve peuan azonzise
e de atre peuan ese eliminæ

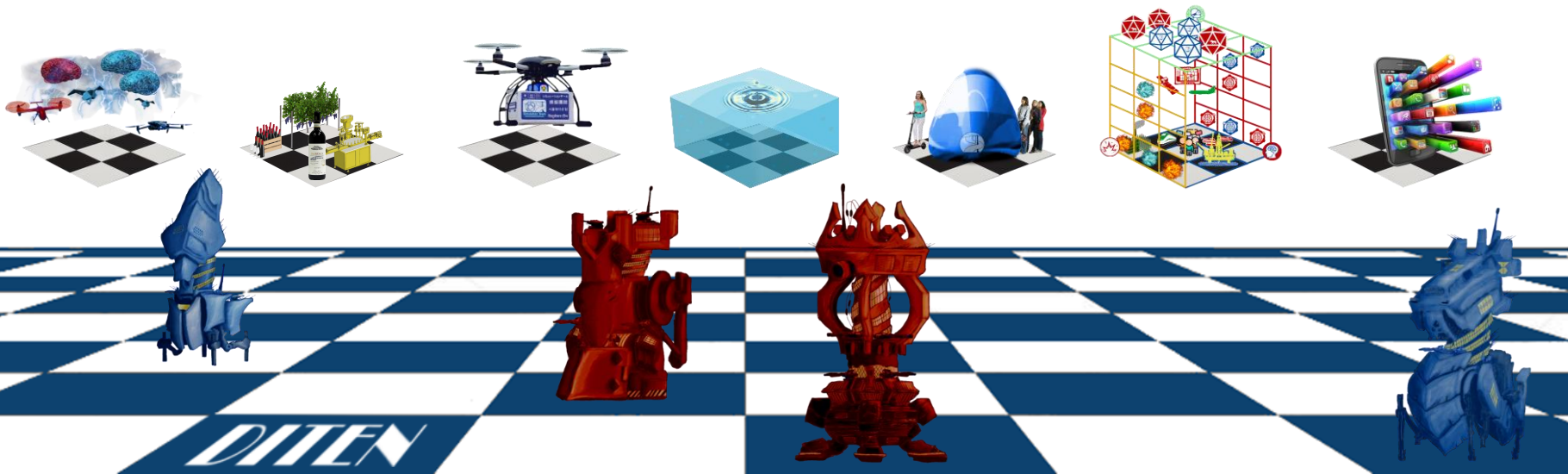
a STRATEGOS...

...looks at goals as to simply tools
to focus positively the energy, these
can be changed as his priorities change,
new one added & others dropped



10

Christopher Columbus, Memorial, 1501 A.D.



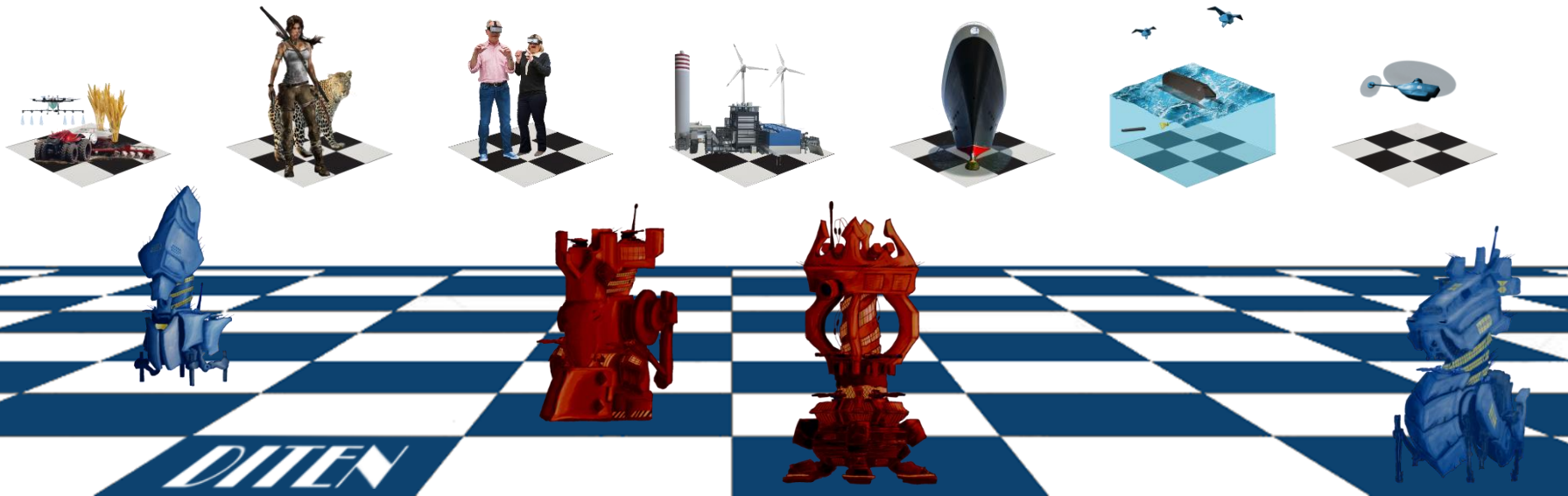
Hanc not reprimere,
sed augere
Imperatores debend

a STRATEGOS...

...don't have to repress people,
but strengthen them

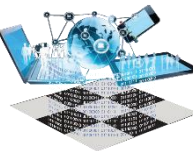
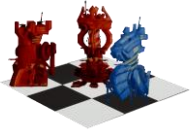


Gaius Iulius Caesar, De Bello Civili, III-92, 48 B.C.





STRATEGOS



**Musique d'Ouverture de Fête
by Pia Pérez Almeida**

STRATEGOS

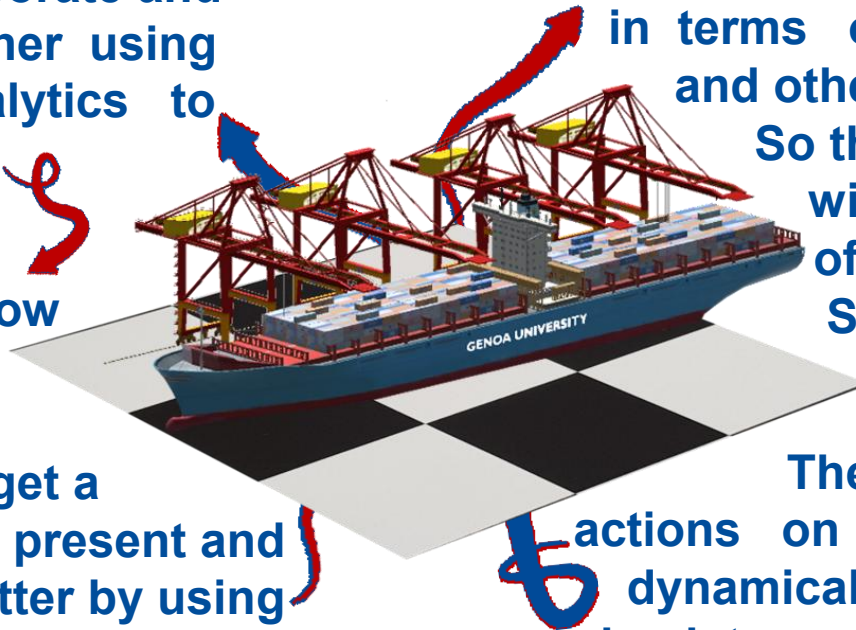
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Strategic Engineering
allows to combine many
different sources of data
and to clean, elaborate and
fuse them together using
AI and Data Analytics to
extract information

This allow us to know
what happen in the
past and what is
happening now to get a
good picture of the present and
to understand it better by using
our up-to-date Models & AI

AI Artificial Intelligence



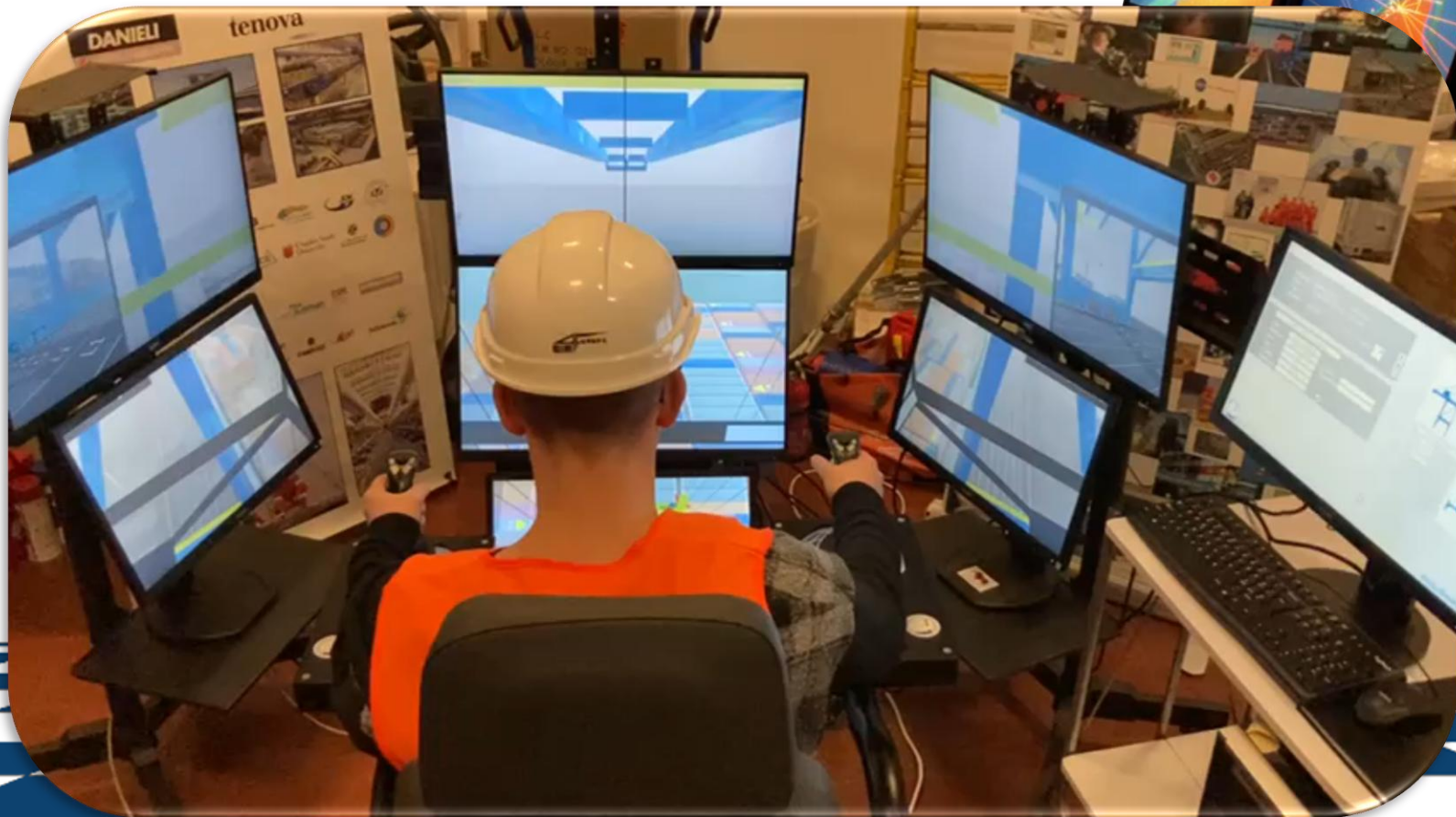
The Models are used to simulate
the situation and the impact of
our decisions but also to
consider all possible alternatives
in terms of situation changes
and other players moves.

So the Decisions are made
with benefits of Results
of Simulation & Smart
Systems based on AI

The real impacts of our
actions on the field allows to
dynamically refine our models &
simulators by using advanced
Machine Learning Techniques



STRATEGOS SIMULATION EXAMPLE: SPORT2 & PORTS





STRATEGOS SIMULATION EXAMPLE: SPORT2 SIMULATING ALL CRANES



STRATEGOS: COYOTE AT WORK ALL AROUND THE GLOBE FOR SAFETY & EFFICIENCY IN LOGISTICS



STRATEGOS: COYOTE SKYROCKETS PERFORMANCE BY IDENTIFYING PROBLEMS & TRAINING PEOPLE



STRATEGOS: MASTER SCIENCE IN ENGINEERING

- **STRATEGOS** is the new International MSc (Master Science) in Strategic Engineering (Laurea Magistrale in Italia, 2 anni)
- **STRATEGOS** promotes Quantitative Modeling to Support Decisions by developing a new generation of Engineers able to deal with Strategic Thinking and to interact with Decision Makers
- **STRATEGOS** prepares Engineers with strong foundation in Modeling, Simulation, Big Data Analysis, AI/IA as well as Enabling Technologies for Strategic Decision Making
- **STRATEGOS** is Trans-Disciplinary over Engineering, Economics and International Affairs to enable candidates to address effectively Security, Scenario & Risk Analysis





STRATEGY: !?!

Classic Definitions: **Strategy** relies on effective plans able to achieve success in challenging situations such as business, industry, politics, war, etc.

Strategy, Greek word, combines *stratos* (army) and *ago* (leading): Leading Resources

*"La **Stratégie** est l'art de bien diriger"*

Gen. Jomini, Précis de l'Art de la Guerre, 1838

*"We need a philosophy of **Strategy** that contains the seeds of its constant rejuvenation, a way to chart strategy in an unstable environment"*

Von Clausewitz, Vom Kriege, 1832

*"**Strategy** is a system of expedients"*

"No plan of operations[&] extends with any certainty beyond the first contact with the main hostile force"

Von Moltke, Militarische Werke, 1871

"Today, to be a great company, think about what Social Problem you could solve"

Ma Yun, Alibaba Executive Chair, in 2018: Personal Net Worth 42.2 GUSD; 23.8GUSD Alibaba Revenues 6.2GUSD Profits, 56% Net Revenues Growth, Stocks +15% in 1 month



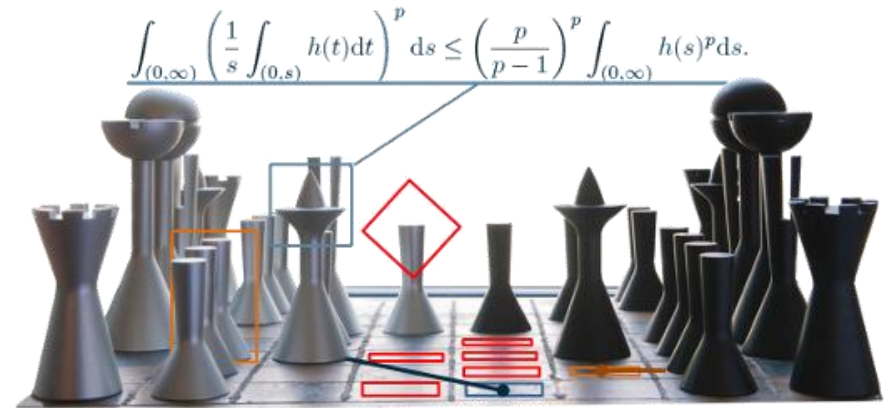
STRATEGIC ENGINEERING



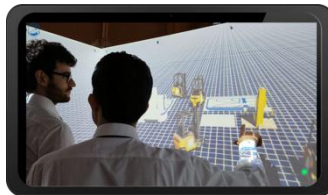
- **STRATEGIC ENGINEERING** is a pretty new approach, emerging in Excellence Centers around the World, where New Technologies and Methods face Challenges & Uncertainty in Complex Systems
- **STRATEGIC ENGINEERING** is the process of designing and analyzing New Solutions in order to achieve Strategic Results against *risks, uncertainty, competitors, threats and within critical environments*
- **STRATEGIC ENGINEERING** is crucial to develop Modern Solutions for *Defense, Homeland Security, Government as well as for Industries, Companies, International Agencies & Public Authorities*



STRATEGOS MISSION



- **STRATEGOS** creates a New Generation of Engineers able to deal with Decision Making and Strategic Thinking in complex Scenarios
- **STRATEGOS** prepares Engineers to master Modeling, Simulation, Enabling Technologies such as: Machine Learning, AI & IA, ICT, IoT & IoE, Big Data, MR, Data Farming, Data Analytics, Innovative Robotic and Autonomous Systems



AI Artificial Intelligence
IA Intelligent Agents
ICT Information & communication technology
IoE Internet of Everything
IoT Internet of Things
MR Mixed Reality



STRATEGOS ENGINEER ROLES

The **STRATEGOS** Engineers could serve in multiple roles such as:

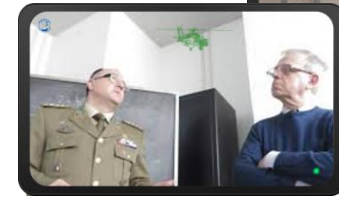
- Scenario Identification, Definition and Analysis
- Development of Models of Complex Systems
- Strategic Planning and Analysis
- Strategic Analysis and Decision Support in Defense & Homeland Security
- Support Decision Makers by Quantitative Methods , Models and Analytical Approaches
- Support to Governmental & International Institutions, Policy Makers and Public Authorities
- Support to Industries in Strategic Decision Making, Planning and Scenario Definition
- Data Farming by Simulation to extend, integrate and fuse Big Data for Data Analytics
- Development of New Algorithms, Models and Architecture devoted to model Complex Systems
- Supporting Organization Management in objectives definition and strategic planning
- Simulation, through the implementation of self-built systems, of the evolution of events
- Strategic Modelling & Analysis for Hybrid Warfare, STRATCOM, Cyber Warfare,
- Modeling, also through capture of data & information conditioning, of the Scenario
- Development of plans to defend and restore systems and organizations



STRATEGOS ENGINEER SKILLS

The Skills associated with **STRATEGOS** Engineers include among the others:

- Engineering and Modeling applied to Complex Systems
- Modeling and Simulation
- Data Farming and Data Analytics
- Scenario Analysis
- Artificial Intelligence, Intelligent Agents and Machine Learning
- Economic and Political Analysis of Scenario and Operational Context
- Feasibility Analysis of the Alternative Solutions
- Context Engineering for the Technical Sustainability of the Strategies
- Strategic Planning to implement Strategies and Operations
- Robotic Process Automation, Autonomous Systems and Heterogeneous Networks
- AR, VR, Graphics and Visualization, to move results into an easily accessible and understandable, interactive, immersive and interoperable framework
- Mathematics, Information Technology and Engineering for Implementation
- Security of Cyber Physical Spaces & over Multi Domain Frameworks
- Comparing Strategies and Business Development



AR Augmented Reality
VR Virtual Reality





STRATEGOS ENGINEER PLACEMENT

STRATEGOS Master Program offers a professional engineer profile with a strong foundation in the area of modeling, analysis and strategy planning for Systems, Operations, Organizations and Products. The expected employment target include large companies, but also SMEs that could benefit from this engineering background and by their specific skills and competences. Employment in Public/Private Research and Management/Administration Centers is targeted as well as in Industries and Companies. Hereafter some examples are proposed:

- BoD Staff in Major Industries (Oil & Gas, Defense, Energy, Manufacturing, Resilience & Sustainability, Investments, etc.)
- Support to Directors on Operations, Multi-Project Management, Operational Level, Grand Tactics devoted to implement Strategies, etc.
- Strategies for Specific Domains: Defense, Energy, Shipping, Marine Sector, Aerospace, Communications, Finance, Process Plants, Retail
- New developments enabled by Autonomous Systems and Enabling Technologies (e.g. Security, Aerospace, Sea Robotic Systems, etc)
- Support to Defense & Homeland Security: Commander Decision Support in Operational Planning
- To design, develop and manage Security Solutions over Multi Domain and Layers for Business and Governmental Users
 - COA Definition, Quantitative Support to Negotiation and Consensus, Strategies for Homeland Security & Defense,
 - New Programs and Simulation Based Acquisition, etc.
- Support to Agencies & Governmental Institutions (e.g. EDA, ONU, NATO): Strategies on International Affairs, Consensus, Strategies in Service to Society, Health Care & Strategies, etc.
- Models for Companies specialized in Complex Systems and Plants, Predictive and Distributed Maintenance, Smart Services etc.
- Design, service and management companies (including Banks and Insurances) requiring scenario simulation, data processing, etc.
- Generic companies (e.g., B2C, B2B, software houses, mechanical electrical and electronic components and systems, etc.) interested in Decision Making and Engineering, especially considering Product/System/Service Strategy. This should concern also SMEs

BoD Board of Directors, SME Small, Medium Size Enterprise



STRATEGOS

1st Year

Modelling and Design of Complex Systems,
Complex Systems in Industry and Defense

Continuous & Discrete Modelling and Simulation

Operation Research for Strategic Decisions

Advanced Methods of
Monitoring and Design
of Systems

Economics

Computational
Intelligence

Strategies for Energy

Elements of Business
Economics

Strategies for
Telecommunications

Integrative Workshops

&

Summer Stages
(3-6 weeks)

Security Studies:
Foreign & Defense
Policies

Comparative Political
Economy of
Development

PROGRAM

2nd Year

Computer Games and
Simulation

Autonomous Agents in
Games

Architectures and
Models for Numerical
Methods

Organization and
Strategic Business
Management

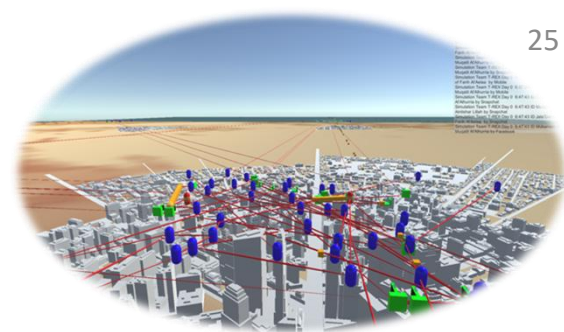
Integrative Workshops

Training Modules

Internship
(6 months)

Project Work

Thesis



STRATEGOS

Engineering Technology for Strategy & Security
in Industry, Business, Service of Society, Government & Defense

Organized by Genoa University Polytechnic
School with Economics & Int. Affairs Schools

Prof. Agostino G. Bruzzone, Council Chair

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STRATEGOS creates a New Generation of Engineers able to deal with Decision Making and Strategic Thinking in Complex Scenarios

STRATEGOS prepares Engineers to master Modeling, Simulation & Enabling Technologies such as Machine Learning, AI & IA, ICT, IoT, IIoT & IoE, Big Data, XT, Data Farming, Data Analytics, Innovative Robotics, Automatonomous Systems, Cyber Warfare & OSINT



ansaldo | energia



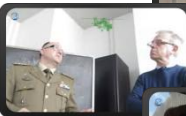
STAM

RII



ia

Intelligent Automation



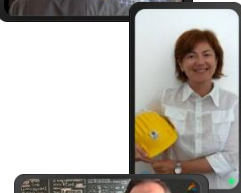
PEOPLE DRIVE TECHNOLOGY

RINA

NeMeA Sistemi



Companies & Organizations
Actively cooperating with **STRATEGOS**



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2025

Talking by Numbers

1st MSc (Laurea Magistrale) in *Strategic Engineering* in Italy,
among firsts worldwide with Partnerships in **5** Continents

Over **180** selected Students over **1200** candidates in 2025,
90% get Grants covering Fees, Accommodation. Allowance

80% Graduates working in Companies before graduation

1st Int.PhD in *Strategic Engineering* in Europe (Genoa, France,
Spain, Hungary) associated to **STRATEGOS**

8 International Awards to our Students in 6 years

STRATEGOS Selection: 2024 (160 vs.1000), 2023 (150 vs.800), 2022 (120 vs.600), 2021 (116 vs.420), 2020 (44 vs.180), 2019 (22 vs. 80)

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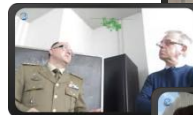


STAM

RII



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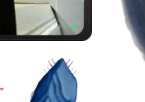
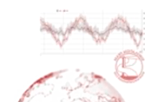


RINA

NeMeA Sistemi



Companies & Organizations
Actively cooperating with **STRATEGOS**



STRATEGOS & GENOA UNIVERSITY

STRATEGOS is led by Genoa University, founded in 1471 AD and located in middle of Italian Riviera, covering all disciplines and counting around 40,000 students in total. The Engineering School of the Genoa University was created in 1870 AD and is among most prestigious Internationally (in 2018 we rank 1st in Italy) and provides BE, MSc and PhD Programs to 7,500 students.

STRATEGOS promoters in Genoa University are active in International projects with major Agencies and Companies at International Level, as well as in co-operations with Prestigious Universities and Institutes all around the world.

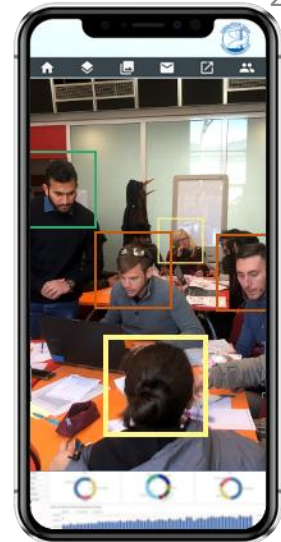
Genoa University offers **STRATEGOS** Workshops and Seminars, closed And open to external attendees and/or invited guests, jointly with NATO Excellence Centers, Research Labs and R&D Departments in leading International Companies.

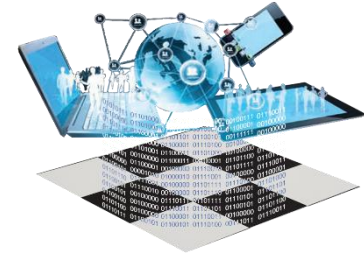


WHY TO JOIN STRATEGOS ?

- Turning into one of Leaders on new Strategic Engineering Concept
- Having access to best **STRATEGOS** Students for Internships & Stages
- Being part of **STRATEGOS** Committee for Program Development, participation to Selection Process, creation of new RPGs and Experiences
- Your Employers & Executives could access to **STRATEGOS** Workshops & Seminars
- Benefits of **STRATEGOS** promotions all over the world in Public Affairs, Media, Table Top Exercises, Simulations, Special Events, etc.
- Networking in **STRATEGOS** with other Leading Companies

By the way, basic Patronage is Free and requires to evaluate the Student Curricula for potential Internship proposals





STRATEGOS IN 10 POINTS: 5...

- **STRATEGOS** is the first Master Science in Strategic Engineering (Laurea Magistrale) in Italy, among the first ones in the world
- **STRATEGOS** lasts 2 years in total, including the six-month internship and the related thesis conducted entirely within an Enterprise (48 Credits)
- **STRATEGOS** has Industrial Partners of the caliber of Accenture, Ansaldo, Axpo, BearingPoint, Hitachi, Leonardo, Thales, Tenova, etc.
- **STRATEGOS** provides high-profile job opportunities in Big Industries, Consulting Firms, Hi-Tech Startups & Int. Agencies (e.g. NATO M&S COE)
- **STRATEGOS** teaches how to combine Modeling & Simulation, AI/IA & Machine Learning, Data Analytics to support Strategic Decision Making



AI Artificial Intelligence
IA Intelligent Agents





STRATEGOS IN 10 POINTS: 5... PLUS 5

- **STRATEGOS** integrates new technologies with enabling factors such as IoT, IoE, Social Media, HBM to develop new Solutions
- **STRATEGOS** is really Transdisciplinary and, thanks to its courses within Economics & Int.Affairs, teaches Engineers to work with Decision Makers
- **STRATEGOS** is International, all in English, with Workshops in Virtual Labs, Simulation, RPG, Serious Games, eXtended Reality (VR/AR/MR)
- **STRATEGOS** accepts all types of talents from Scientific & Engineering BS and provides assessments on the potential in Strategic Engineering
- **STRATEGOS** for additional information www.itim.unige.it/strategos or contact us by email info.strategos@diten.unige.it

IoT Internet of Things
IoE Internet of Everything
HBM Human Behavior Models
RPG Role Playing Game

VR Virtual Reality
AR Augmented Reality
MR Mixed Reality



[illegible]

- Leading the **Strategic Engineering** within its **First Italian Degree Program**
- Evaluation of STRATEGOS Engineering Students by **RPG**,
- **Internships**, **Exercises**, **Simulations**, **Experiences** & **Stages**
- Active Participation in **Specific Experimentation & Training Modules** integrated in STRATEGOS and open to Company Employers
- Active Role in STRATEGOS and its **Excellence Network with International Companies, Institutions & Agencies**
- Promotion of STRATEGOS within **Public Affairs**, **Media**, **Table Top Exercises**, **Simulation**, **Workshops**, **Special Events**, etc.





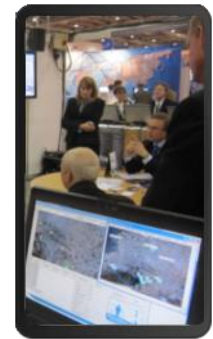
SPECIFIC ROLES FOR STRATEGOS PARTNERS

- Members in **STRATEGOS Steering Committee** contribute actively in Student Profile, Tailoring Programs, Lectures and Internship Planning
- Members in the **STRATEGOS International Scientific Committee** contributing in defining Workshops, Seminars on Topics & Methods
- Partners contribute in creating **STRATEGOS** Modules for Education and Training consistent with **Industrial Interests and Needs**
- Partners in **STRATEGOS** by **Suitability Survey & Feedback** analyze & quantify this new Degree profile respect Modern World Expectations
- Promoters of **Specific Tools, Solutions & Approaches** experience the **STRATEGOS** Students to enhance their own Capabilities



- **Interaction with Students** and **Engagement in Selection Process**
- **Hosting Internships & Thesis Students** (2nd year, 2nd Semester, 4-6 months)
- Proposing **Personal Project Works** to **STRATEGOS** Students
- Proposing **Topics and Solutions** for **STRATEGOS** Program & Seminars
- **Attending Joint Activities** & **Table Top Exercises** within **STRATEGOS**
- Partnership in Developing **STRATEGOS** **Workshops**, **Seminars**, **RPG**
- Active Actor in **STRATEGOS** **Selections & Final Assessments**
- Contribution in **Social media**, **Web links**, **References**, etc.
- **Student Summer Stages** (1st year, June-Sept, 4 weeks)





OPPORTUNITIES IN STRATEGOS

- Involvement of **Company Experts** in Seminars, Workshops, Meetings, physically & virtually, with **STRATEGOS** Classes on specific topics
- Organization of **RPGs, Virtual Experiences & Table Top Exercises of interest for the Company** within **STRATEGOS** Classes & Simulations
- Access to **Computer Simulators, Intelligent Systems & Serious Games** developed for Industries & Agencies & adapted for **STRATEGOS**
- Promotion of **STRATEGOS** **Scholarships for Gifted Students** and involvement in the Related Selection and Evaluation Process
- **Activation of R&D Initiatives** on Modeling, Simulation, Decision Making, Machine Learning, Data Analytics, Strategic Engineering, etc.



RPG Role Play Game
R&D Research & Development





PARTNER INTERNAL GROWTH BY STRATEGOS

- **Rewards to Company Staff** as members of the *International Faculty* of **STRATEGOS** when they are involved in the teaching and experimentation activities in Classrooms, Labs and/or Experimentation
- Access of **Company Managers & Employees** to **STRATEGOS** Courses, Seminars & and Workshops, or even to obtain the full *Master Degree in Strategic Engineering*
- **Enhancement of Personnel, Active in Branch Offices or in other Areas**, by Live/Remote **STRATEGOS** Training
- Synergies among **STRATEGOS** and other Initiatives, already active in Companies, Agencies and/or within specific Business Sectors





MODELING & SIMULATION FOR COMPLEX SCENARIOS

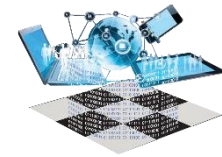
- **Strategic Engineering** includes Models of Media, Communications, Fake News and Assets to experiment, virtually, different *Decisions* and *COAs*
- The M&S of Social Networks, Cyber Space and Population, Markets is able to estimates their reactions to Situation Evolution and to our Choices
- **Strategic Engineering** could use Immersive, Interactive, Interoperable Environments for helping Decision Makers to understand Scenarios and to support their Decisions



M&S Modeling & Simulation

COA Course of Actions





EXAMPLE: JANUS IMPROVING PROCESSES & PEOPLE

- **JANUS** is a Serious Games that uses **Avatars** and **Human Behavior Models** to reproduce Meeting Dynamics and Digitalization Initiatives
- **JANUS** has been developed to train & educate people, but for finalizing assessments
- **JANUS** identifies criticalities & behaviors in Digitalization Projects by Machine Learning
- **JANUS** allows to finalize quickly Digitalization in Companies by improving People and Processes



JANUS Joint Avatars & Networking Unified Simulation

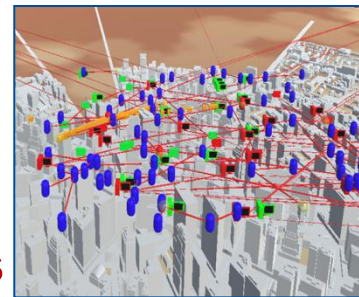




EXAMPLE OF STRATEGIC DECISION SUPPORT

- **T-REX** is a Decision Support System based on MS2G devoted to reproduce Cyber & Hybrid Threats open to be federated with other elements to evaluate Risks & Scenario Evolution
- **T-REX** is a solution by Simulation Team, reproducing
 - Human Behaviors
 - Population & Interest Groups
 - Social Network & Media
 - Urban & extra Urban Contexts
 - Layers (i.e. economic, political, social, etc.)
 - Multiple domains (i.e. land, air, sea, space and cyberspace).

Simulation Team T-REX Day 0 2:27:1 ID Anbarin Toma of Aintishar Lillah by Email
Simulation Team T-REX Day 0 2:31:30 ID Shahd Bitar of Aintishar Lillah by Phone
Simulation Team T-REX Day 0 2:31:30 ID Adara Gaber of Farhi A/Aelaa by Instagram
Simulation Team T-REX Day 0 2:31:30 ID NafisahHadad of Farhi A/Aelaa by Mobile
Simulation Team T-REX Day 0 2:31:30 ID Muhsinah Essa of Farhi A/Aelaa by Mobile
Simulation Team T-REX Day 0 2:34:57 ID Adara Gaber of Farhi A/Aelaa by Phone
Simulation Team T-REX Day 0 2:34:57 ID Lubab Essa of Aintishar Lillah by Mobile
Simulation Team T-REX Day 0 2:43:42 ID Shahd Bitar of Aintishar Lillah by Email



T-REX Threat network simulation for REactive eXperience
MS2G Modeling, interoperable Simulation & Serious Game

LAPIS2: LEAN MANAGEMENT OF SERVICE DRIVEN BY AI

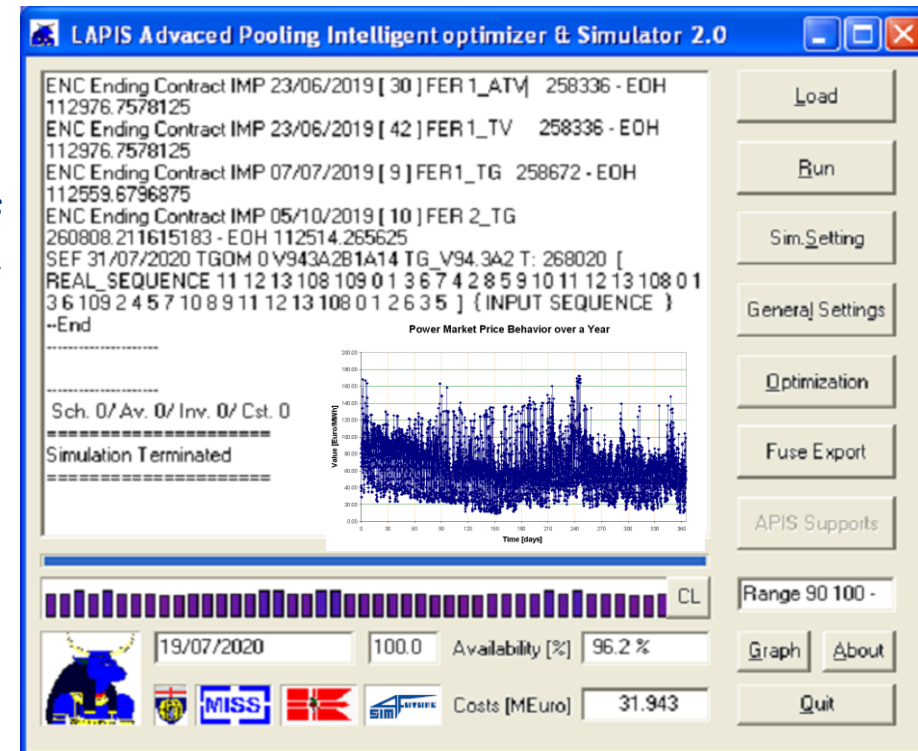


LAPIS2 is an innovative Decision Support for improving the
Plant Availability & Reliability

LAPIS2 supports Service in terms of
Predictive, Remote, Preventive &
Corrective Maintenance in terms of
Operative Planning, Inventory
Management, Operation Optimization,
Design of Infrastructures.

LAPIS2 manages mixes of Energy Facilities
(e.g. CCPP, RES, etc.)

LAPIS2 uses M&S and AI to
create *Optimal Solutions* in
joint synergy with the
Human Decision Makers



LAPIS2 Lean Advanced SCM & Pool Intelligent optimizer & Smart Simulator

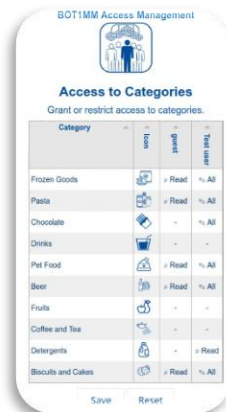


BOTIM: SMART RETAIL PROMOTION BY AI & M&S

Brochure Original control Tool for Intelligent Retail Management

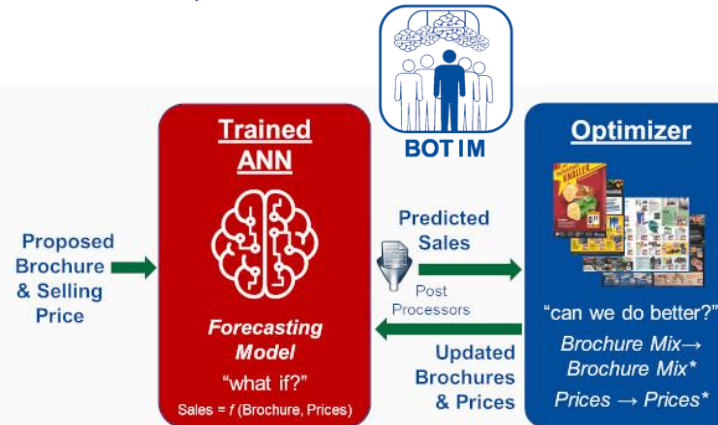


BOTIM adopts the innovative **Strategic Engineering** paradigm combining Artificial Intelligence. Data Analytics, M&S in closed loop with ERP, CRM, SRM and their Big Data to optimize decisions on Promotions, Sales, Profits and Customer Service as well as a Sustainable Supply Chain. **BOTIM** operates over Large Retail Networks covering Regions & Countries. **BOTIM** uses Simulation in combination with Genetic Algorithms and Neural Networks to optimize Sales, Profits & Promotions



CRM
SRM

Customer Relationship Management
Supply Relationship Management



ERP Enterprise Resource Planning

BOTIM history

Log of Operations

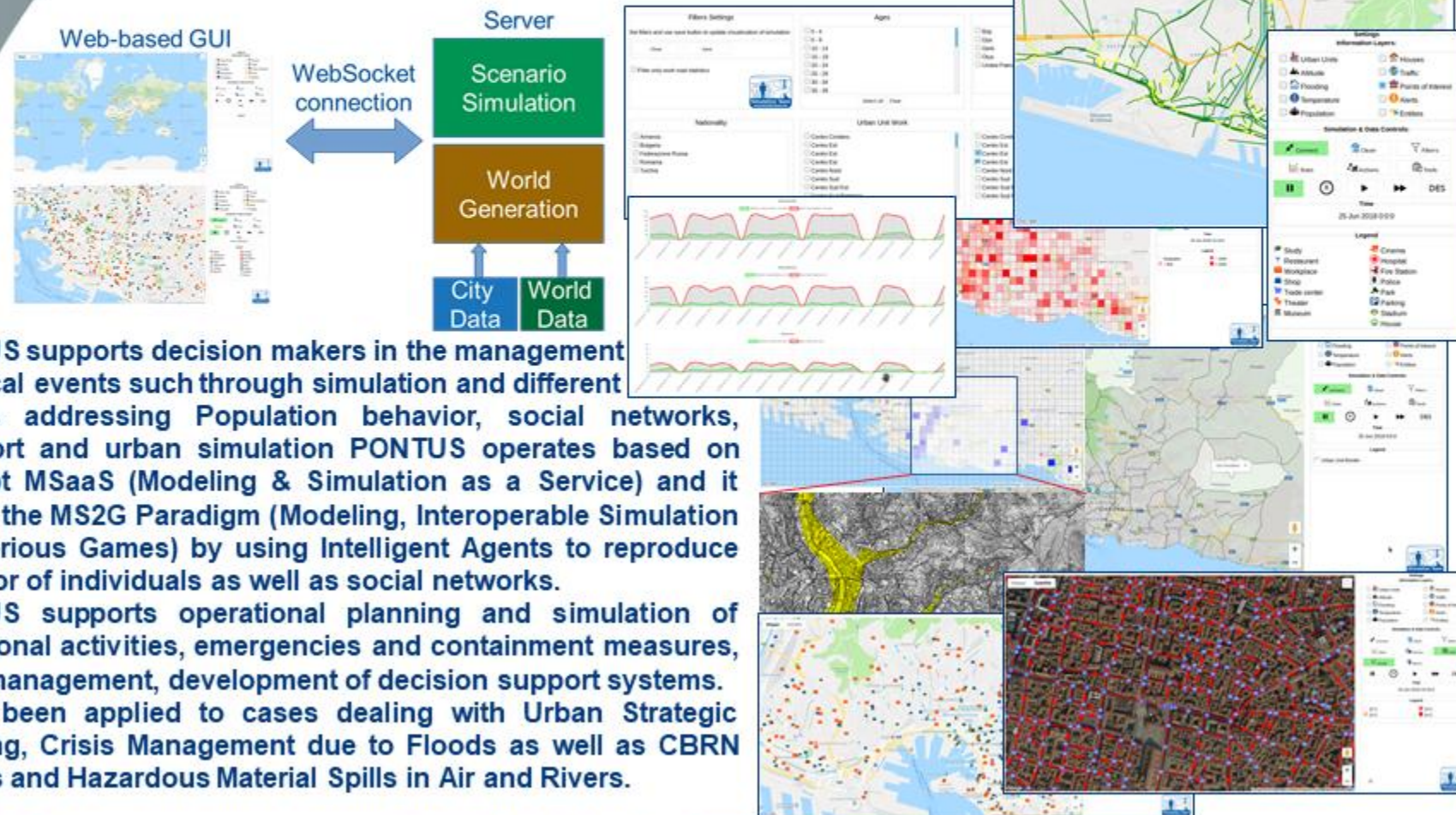
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2020-11-10 14:49:05	Updated category	Chocolate	source:category, template	admin
2020-11-10 14:49:05	Recurrent category	Drinks		admin
2020-11-10 14:49:05	Updated category	Drinks	source:category, template	admin
2020-11-10 14:49:05	Recurrent category	Pet Food		admin
2020-11-10 14:49:05	Updated category	Pet Food	source:category, template	admin
2020-11-10 14:49:05	Recurrent category	Beer		admin
2020-11-10 14:49:05	Updated category	Beer	source:category, template	admin
2020-11-10 14:49:05	Recurrent category	Fruits		admin
2020-11-10 14:49:05	Updated category	Fruits	source:category, template	admin
2020-11-10 14:49:05	Recurrent category	Coffee and Tea		admin
2020-11-10 14:49:05	Updated category	Coffee and Tea	source:category, template	admin
2020-11-10 14:49:05	Recurrent category	Detergents		admin
2020-11-10 14:49:05	Updated category	Detergents	source:category, template	admin
2020-11-10 14:49:05	Recurrent category	Biscuits and Cakes		admin
2020-11-10 14:49:05	Updated category	Biscuits and Cakes	source:category, template	admin
2020-11-09 13:39:04	Created proposal with Sales	Process Details		admin
2020-11-09 13:39:43	Created proposal	Process Details		admin





PONTUS: CITY DIGITAL TWIN

POpulation behavior, social Networks, Tra
infrastructures and industrial Urban Simulation



PONTUS supports operational planning and simulation of operational activities, emergencies and containment measures, crisis management, development of decision support systems. It has been applied to cases dealing with Urban Strategic Planning, Crisis Management due to Floods as well as CBRN Threats and Hazardous Material Spills in Air and Rivers.

STRATEGOS: NECTAR2 ENHANCING WINE PRODUCERS

Network of Excellence to Create a Transformation based on Advances as a Real Revolution on wine industry, agriculture, production, supply chain and marketing

NECTAR uses *Strategic Engineering* to radically Transform the **Wine Sector** and enhance with the synergy among top Excellence Centers, **Members of Simulation Team & STRATEHOS**, in Italy, Spain & France, **NECTAR** addresses all Wine Phases and Sectors



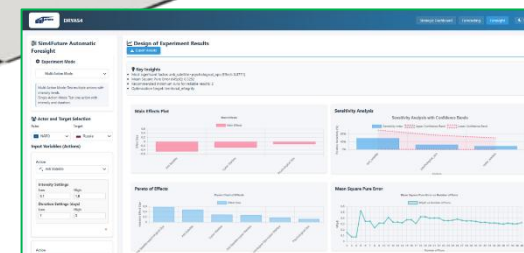
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Athenaeum**
Est.1471 AD



**UNIVERSIDAD
DE LA RIOJA**



IMT Mines Alès
École Mines-Télécom



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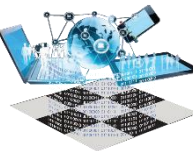
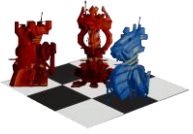
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STRATEGOS



Enjoy Drinks, Food & Networking