1 Year 1 Day: Giovani Ingegneri e Aziende Un Anno di Colloqui in un solo Giorno!





Pomeriggio Colloqui a Ingegneria, Area Studio, via Opera Pia 15a

www.simulationteam.com/mipet www.simulationteam.com/strategos www.simulationteam.com/1year1day

Meeting Program

9 dicembre, 2024

9:00 am - 5:45pm CEST Live & by Webinar Salone Villa Cambiaso (am), via Opera Pia 15a (pm)

9:00 Welcome Prof. Agostino G. Bruzzone

9:15 Prof.Patrizia Perego, Dr.Crocco, Ing.Lombardo

9:20 Eccellenza e Competitività Oggi Responsabili di Aziende Leader a livello Mondiale evidenziano Sfide e le Opportunità, in parallelo, sin dal matino, si terranno le Campus Interviews

12:30 Break

13:00 Meeting with Companies & Campus Interviews

17:45 Chiusura























tutti gli Studenti

Accesso Live e Virtuale, per ulteriori informazioni, prego contattare 1year1day@simulationteam.com www.simulationteam.com/1year1day

Accedi a Smart 1Y1D e conosci le Aziende

1 Year 1 Day: Young Engineers meet with Major Companies

The Interviews of One Year completed within a Single Day

ALL





People interested in Campus Interviews are invited to upload CV on

piazzastudenti.aulaweb.unige.it

Meeting in Morning in Salone, Villa Cambiaso

Afternoon Interviews Indoor at Engineering
Buildings via Opera Ria 15a

www.simulationteam.com/mipet www.simulationteam.com/strategos www.simulationteam.com/1year1day

Invitation extended to Computer Science Students

Meeting Program December 9, 2024

9:00 am - 5:45pm CET Live & by Webinar Salone Villa Cambiaso (am), via Opera Pia 15a (pm)

9:00 Welcome Prof. Agostino G. Bruzzone

9:15 Prof.Patrizia Perego, Dr.Crocco, Ing.Lombardo

9:20 International Opportunities Today

Managers from International Major Companies & Agencies: Opportunities & Challenges, concurrently, Campus Interviews will go since the morning

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17:45 Closure























ENGINEERING

ARE INVITED

Visit Smart 1Y1D to know the Companies

STUDENTS

1Year 1 Day: Giovani Ingegneri e Aziende Un Anno di Colloqui in



INVITO A TUT **MIPET** GLI STUDENTI DI Gli interessati ai Colloqui sono invitati a caricare il proprio Curriculum su piazzastudenti.aulaweb.unige.it INGEGNERIA Incontro al Mattino in Villa Cambiaso

www.simulationteam.com/mipet www.simulationteam.com/strategos www.simulationteam.com/1year1day

Pomeriggio Colloqui Area Studio, Indoor

Ingegneria via Opera Pia 15a

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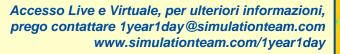








tutti gli Studenti



Accedi a Smart 1Y1D e conosci le Aziende

1 Year 1 Day: Young Engineers meet with Major Companies

The Interviews of One Year completed within a Single Day



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www.simulationteam.com/mipet www.simulationteam.com/strateges

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Visit Smar 1Y1D to

know the Companies

ENGINEERI

Industries

Opportunities

STUDENTS

AREINVITE





















Business as Usual... ... constructing Opportunities





Welcome























Free Live & Virtual Access, for futrher Info 1year1day@simulationteam.com www.simulationteam.com/1year1day

Genoa University, Polytechnic School & Engineering Faculty

The University of Genoa is one of the oldest in Italy and in the World (founded in 1471 AD), it is located in middle of Italian Riviera.

The students are about 40,000 (about 8,000 new entries),

and the Engineering Departments involve around 7,500 students distributed among Genoa Locations and two External Sites: Savona Campus and La Spezia Area

Recently the Polytechnic School was established combining Engineering Faculty and Architecture in order to reinforce the vocation of Genoa University to be an International Leader in

Innovative Technologies in a wide spectrum of applications

For further Information about the Engineering & University of Genoa:





CONFINDUSTRIA Genova





CONFINDUSTRIA
Genova
supports International
Master MIPET since its
begin and promotes
these initiatives among
Industrial Community





Ordine degli Ingegneri della Provincia di Genova





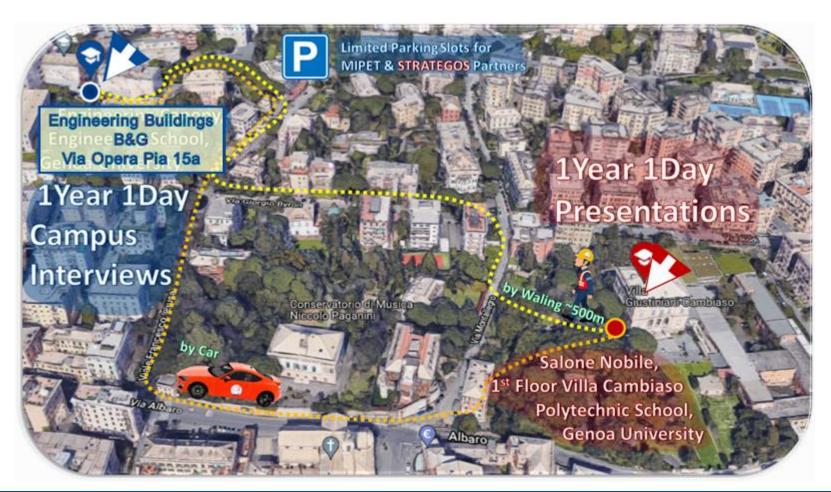


Book your Interviews at the General Channel Into the 1Year 1 Day MS Teams to get your *Day full of Interviews*(not in Linkedin)





Morning Presentation are in Villa Cambiasp PM Campus Interviews are in G Building

























Morning Presentation are in Villa Cambiaso PM Campus Interviews are in G Building























Intellectual Capital for Future of Engineering

Jack Welch (GE CEO 1981-2001 from \$14 billions market value to over \$410 billions): Globalization has changed us into a company that searches the world, not just to sell or to source, but to find Intellectual Capital: the World's Best Talents and Greatest Ideas

















Scientists investigate that which already is; Engineers create that which has never been Albert Einstein, Physics Nobel Price 1921



World Urbanization, Current & Future Changes & Crises

Management of a Region or a Town is a challenging activity dealing with Volatility, Uncertainty, Complexity and Ambiguity and it requires to consider many factors and to involve multiple different stakeholders.

In case of crisis the management is even more difficult: while governance procedures are suitable for normal everyday operations, they could fail when conditions are critical. In this case, the new problematic situation could have no previously developed procedures or have one that is purely theoretical and was never experienced (e.g. lack training, low reliability, difficulties in decision making).





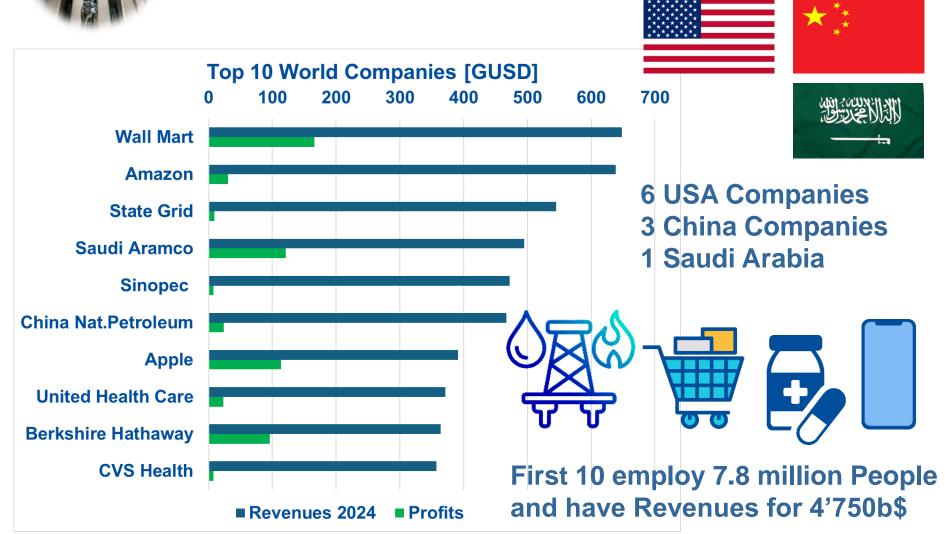


New Blocks vs New Conflicts New Dimensions: Cognitive





Top World Companies in 2024



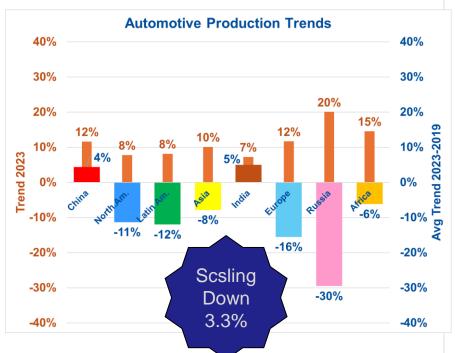
Automotive Industry as an Example

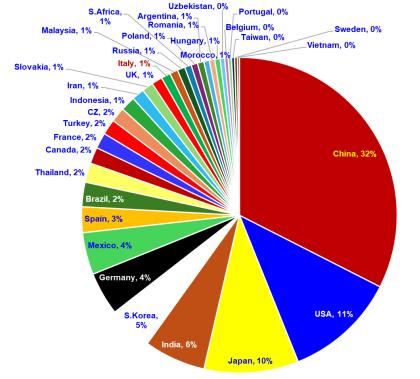






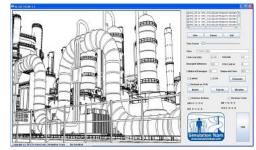
Al and HPC in Capital of Automotive: Hefei, Anhui, China





World Automitve Production 2023

Digital Twins...

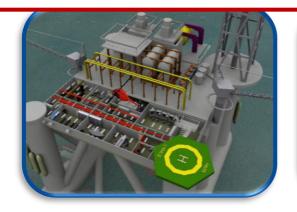








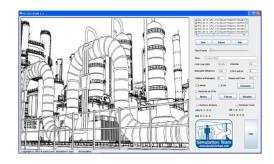
... exist, therefore we have to look inside to see their characteristics and usability







Keep in Mind...









... XR could be supported by very innovative as well as consolidated supports

XR eXtended Reality as combination of Virtual and Augmented Reality (VR & AR)







... the Potential of new Solutions





The Author conducted various experiments on different solutions, devices and platforms to improve safety in ports & industrial plants. For instance, there were tested solutions based on tablets and smartphones and CAVEs.





Strategic Engineering & STRATEGOS



Strategic Engineering

is a new Discipline, devoted to combine **Modeling & Simulation**,

Data Analytics & Artificial

Intelligence in closed

<u>loop</u> to support the

Strategy Development

& Decision Making

A Strategy is not a Plan,
a Strategy is the ability to
well direct your own
resources to achieve major
Goals for your success

Al Artificial Intelligence

STRATEGOS aims to develop an International Capability in Strategic Engineering and it's the 1st Master of Science in Italy and among first ones worldwide on this subject

new ways to use Quantitative
Modeling and Analysis
by preparing the new
generations of Experts,
among Engineers, Managers and
Officers to be able to interact
directly with the Top Decision
Makers on Crucial Problems



Strategic Engineering

allows to combine many different sources of data and to clean, elaborate and fuse them together using Al 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 & Al Al 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 Al

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

The Strategos...





...owns the Art to Know better what is Happening or is Likely to Happen

The 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

Christopher Columbus, Memorial, 1501 A.D.







Important Partnership with major Agencies & Companies

SEASTEMA

Horsa dev Lab







BRANDNEW



















BRA

Medov

Logistics 🖚











Currently, many Major Companies, Institutions Agencies are active Partnership **STRATEGOS** with

on Workshops and Exercises, as well as on Internships (6 months), Summer

Stages (3-6 weeks) and Project

Initiatives





New Threats... & New Assets Real... and... Virtual

Nowadays, there are new Threats

in Physical World and in

Cyber Space that need

to be considered

At the same time
New Solutions
Exists to improve
Safety & Security
in Extended Maritime
Framework dealing with
Cyberphysical Systems, GPS
Spoofing, Hybrid Operations and
Media or Cyber Attacks to Critical Infrastructures









MS2G as Enabler

The new concept of MS2G by Simulation Team allows to develop Interoperable, Intuitive,

Scalable & Reusable Simulators with the benefits of the new

immersive solutions

The Models manage many active entities driven by Intelligent Agents allowing Simulate Complex Realistic Scenarios











STRATEGOS: COYOTE @ JG Lab & Science Club in Keqiao







JANUS

Joint Avatars & Networking Unified Simulation







- JANUS is a Serious Games based on AI, Avatars & Human Behavior Models to simulate Meeting Dynamics. Digital Transformation Projects
- JANUS has been developed to train & educate junior consultant and it is ready also to conduct assessments
- JANUS identifies criticalities & behaviors in the Projects of Digital Transformation by using Machine Learning
- JANUS allows to speedup the Digital Transformation on Companies by improving People and Processes



Al Artificial Intelligence

ML Machine Leaning





BOTIM: Smart Retail Promotion by AI & M&S

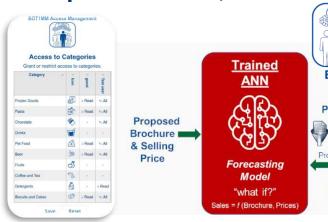
Brochure Original control Tool for Intelligent Retail Management

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













CW-SINON



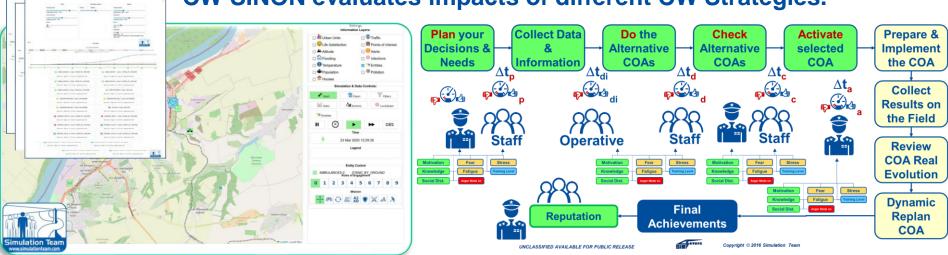


Cognitive Warfare Simulation, artificial Intelligence & Neural networks for modeling human behaviors in Operations, population and social Networks



CW-SINON is the 1st Simulator ordered by NATO ACT to address the Cognitive Warfare context. The Simulator includes multiple Human Behavior Models (HBM) able to reproduce the impact of Cognitive Attack, BPSM, Kinetic Actions and Hybrid Warfare Initiatives over multiple players as well as Institutions and Population considering their Complex Structure.

CW-SINON evaluates impacts of different CW Strategies.





CAPIAS

CAbles, Pipelines, marine Infrastructures & Autonomous system: protection & Simulation



CAPIAS is a Solution using M&S, AI & XR for Protection of Critical Infrastructures such as UW Fields, UW Cables &

Pipelines, Off-Shore Rigs, Wind Farms respect different Assets (e.g. Old.

Conventional, Autonomous & Cyber) both as Threats & Defenders

operating & competing over Multiple Domains

CAPIAS adopts Strategic Engineering: the new discipline supporting Decision Makers by combining the use of M&S, AI, Data Analytics in closed loop with Big Data from the field over Complex Systems Strategic Engineering. CAPIAS

allows to Develop & Test: Ideas, Concepts, Tactics & Strategies, new Systems `and even Decision Making





MIPET



XVI Edition 2024









Ordine Ingegneri Genova









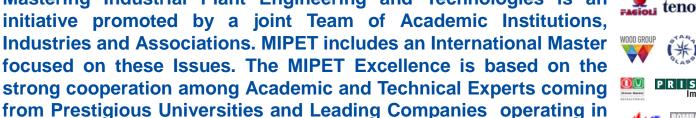
Mastering Industrial Plant Engineering and Technologies is an







































Industrial Plants and Process Industries, Oil & Gas





this area with special attention to Energy, Iron & Steel, EPC, Large



























Academia, Institutions & Industries

MIPET ORGANIZERS & SUPPORTING INSTITUTIONS



























































































WHAT IS MIPET



MIPET is the <u>International Master in Industrial Plant</u> <u>Engineering of Genoa University</u> (il Master Internazionale in Impiantistica e Tecnologie, Scuola Politecnica, Ingegneria, Università di Genova).

MIPET is the 1st and most consolidated International Master Program of Genoa University, fully sponsored privately by

Major Multinational Companies, investing on young Engineers and looking for talents. 12 Successful Editions in 12 years confirm the strong Industrial Interest in MIPET











4 MONTHS TO WORK



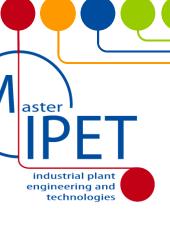
MIPET XIV Edition starts end of April 2024 and puts you at Work in only 4 months. After Labs

& Lectures, you will conduct your <u>Internship in a Leading Industry</u> for 3 additional months, just to present your <u>Project Work</u> and being ready to evaluate final Job Proposals by Companies. MIPET Industries participate in Selection Process, they invest time & money in <u>MIPET</u>, so it's not surprising that our <u>Placement Rate overpasses largely 80%</u>.

* MIPET guarantees possibility to participate to Engineers graduating in April, Academic Year last session First Week is focused on English Lectures and there is a Summer Break in August







LEADING ENGINEERING ... AND MORE!

MIPET Program is developed by Industrial Top Experts & Academic Scientists sharing 50% teaching on Practice & Theory of Technical Advances of Industrial Plants and Technologies. In addition, Soft Skills Courses (e.g. Project Management, People Management, HR Orientation*, Spanish for Latin American Markets) and Seminars, by Managers, Engineers and Scientists of 5 Continents, prepare you to Work all around the Globe.











GOOD OPPORTUNITIES • FOR JOB & YOUR CAREER

MIPET Outstanding Candidates get free registration, while large majority (usually 90%) receives Grants and have to pay only 1'900 Euro; by the way, MIPET Sponsors are expected to refund even this amount to students that they hire at the end.

The MIPET Internships are usually paid by Industries.

This year, the Companies are offering **Great Job Opportunities** to **Italian Engineers** attending MIPET and willing to work, based in their Genoa Offices or in Italy.









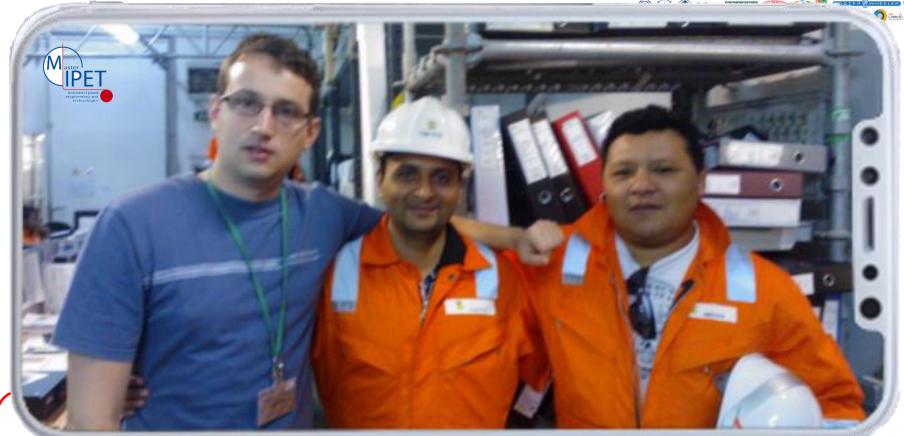
Cerchiamo Ingegneri Genovesi per operare in Team Internazionali











Questi Volantini sono una delle poche cose in Italiano nel MIPET





www.itim.unige.it/mipet/join











Axpo a full of energy company



















RuleX

Rulex

The Al That Tells You Why™

With Rulex Explainable AI, existing process and data experts (not programmers or data scientists) automate operational decisions on a global scale, in record time, at the lowest cost.



VR, AR, M&S, Al/IA, Big Data for Industries & Business Processes



www.sim4future.com

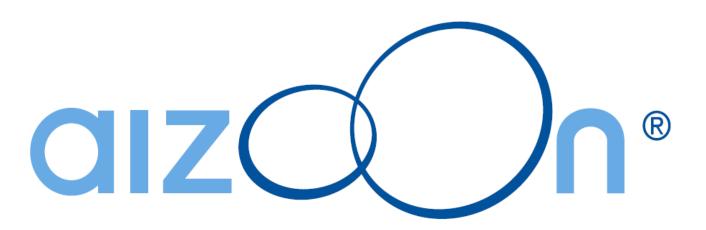








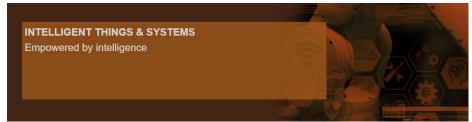
ALTEN Italy



AUSTRALIA EUROPE USA

TECHNOLOGY CONSULTING

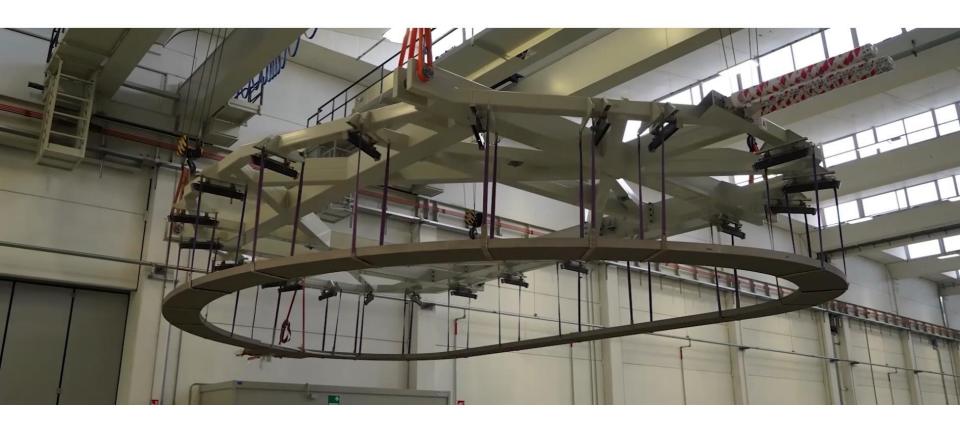


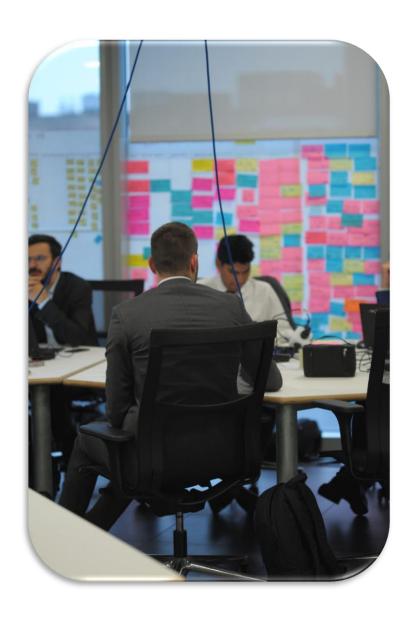




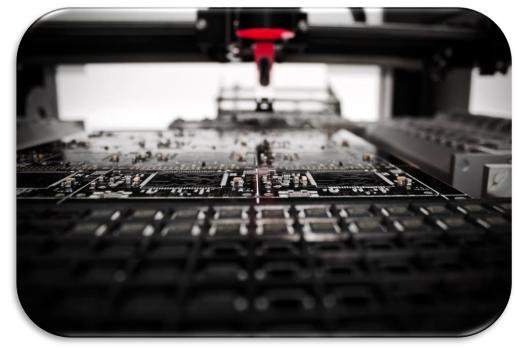
DATA DRIVEN INNOVATION
Exploit the digital revolution









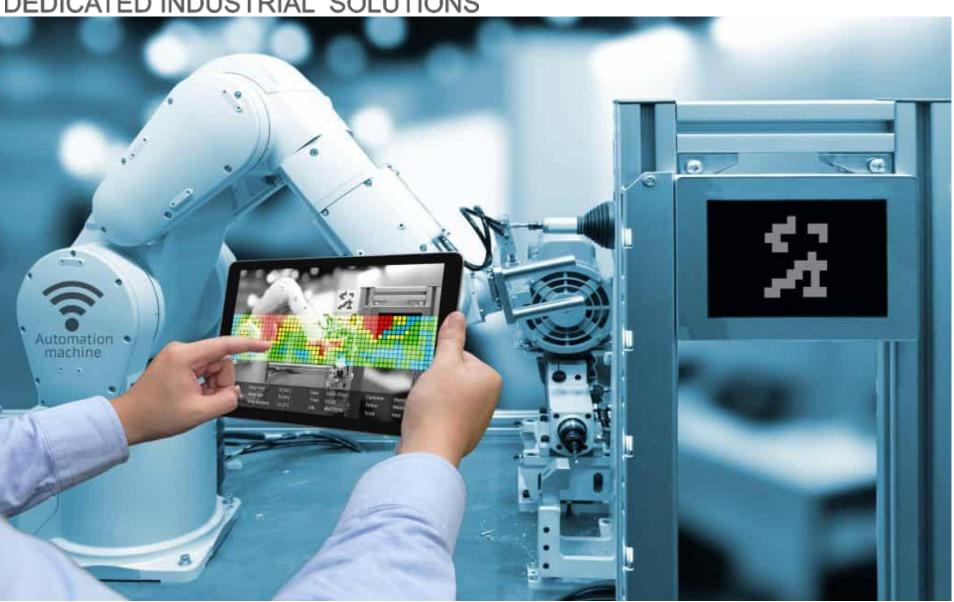






BITRON, Chiara Izzo, Employer Branding

DEDICATED INDUSTRIAL SOLUTIONS



CANNON GROUP, Manuela D'Agostino, Corporate HR Development Manager



INTELLIGENT INDUSTRY IS DIGITAL, CONNECTED & ENTIRELY BASED ON DATA

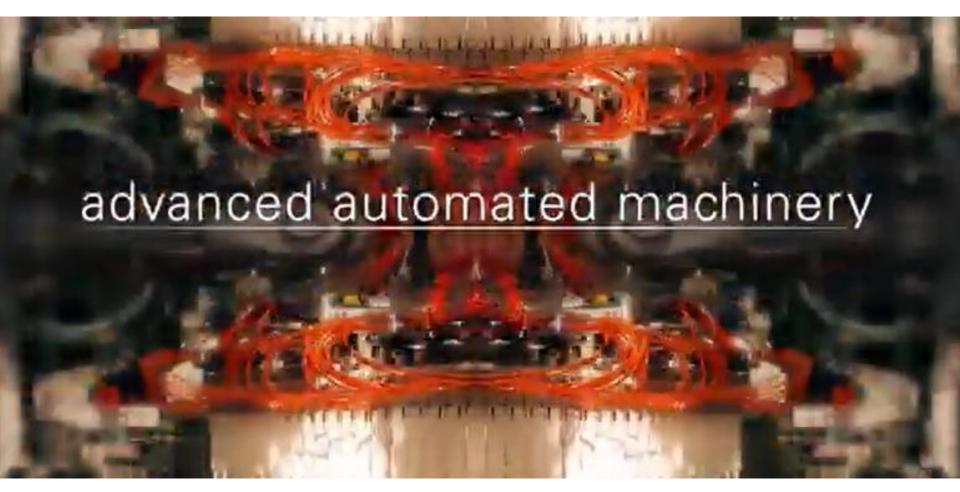








c()esia





ECD Group, Elena Tagino, Employer Branding





ELTEC, Isabella Leali, Employer Branding









Hitachi Rail STS



JPLOM90 1931|2021



IVECO GROUP















ANALYTICS & DATA INFRASTRUCTURE

MEASUREMENT TRAINS & SYSTEMS SIGNALLING SYSTEMS TELECOM & SATCOM ELECTRIC TRACTION



NTTData

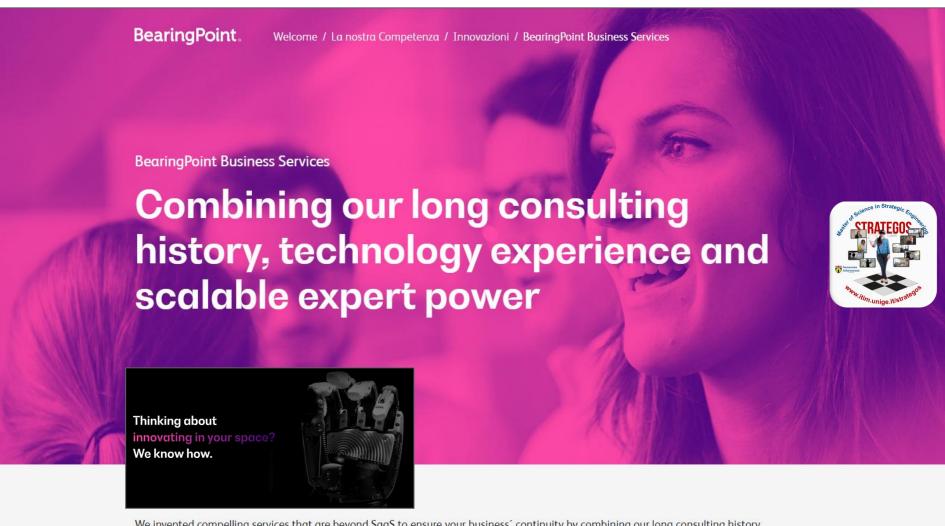




SAIPEM, Elena Biasia, HR Recruiting Specialist; Giacomo Galbiati, Head of Electrical Engineering Department

BearingPoint Arcwide





We invented compelling services that are beyond SaaS to ensure your business' continuity by combining our long consulting history, technology experience and scalable expert power.





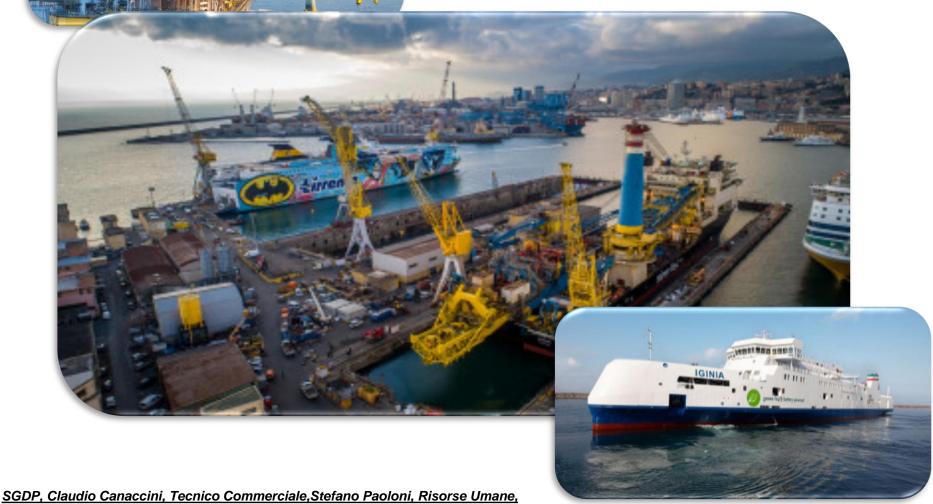
Segula Group, Michele Delmonte, TCMS Team Leader; Giorgia Serafin, Talent Acquisition Specialist; Beatrice Del Giaccio, HR Business Partner





Selesta Ingegneria, Stefano Orgolesu, R&D SW Manager





Simone Lanza, Preventivista Senior,Lorenzo Maresca- Direttore Progetti,Egidio Massone – Direttore Risorse Umane









SSE-Sofiter System Engineering, Alessandra Savoia, HR Specialist



STAFF, Dominika Marchiò, National Account











THE⊙METER™



TGROUP

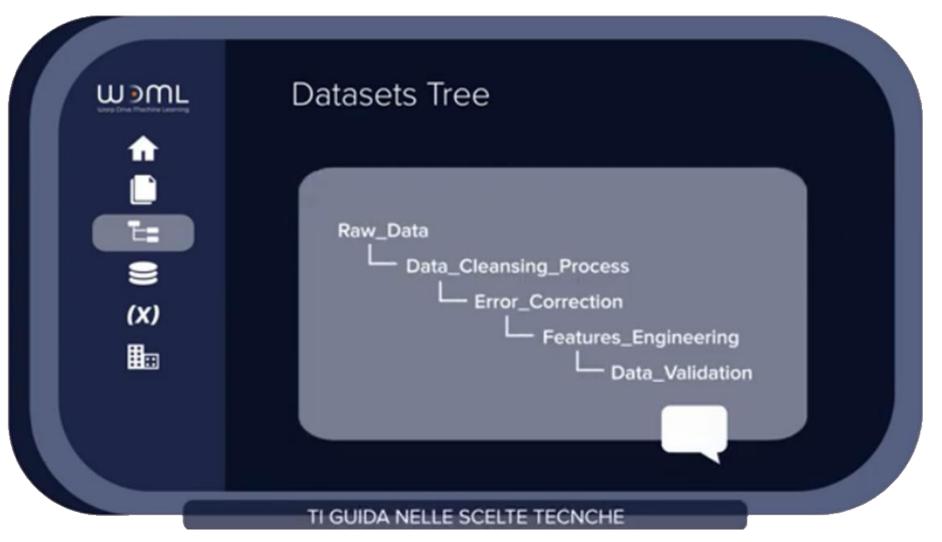




VERNAZZA AUTOGRU











Questions & Free Discussion...





























DITEN

DIEC

DISPO









by Vox Media directed by Bianca Liuzzo: Sophia Ochoa, Rachele Checcucci, Guido Vallarino, Federico Rossi. Lucrezia Bastoni: Mattia Lorenzini at Piano

Usear 1 Day

STRATEGOS Concert



- Gaudeamus Igitur **International University** Hymn, Anonymous
- STRATEGOS Hymn, L.Di Giandomenico, Verses by Virgil's Aeneid
- Evening rise, Traditional Latin Am
- · erican, arr. Meinhard Ansohn
- La Iloronna, Mexican Traditional, arr. Ramón **Noble**
- Round, Thomas Ravenscroft
- Geordie, De Andrè, elab. Gianni Caracristi
- Dolcenera, De Andrè, arr. **Fabio De Angelis**
- Stand by me, Ben E. King, arr. Mac Huff
- Carol of the bells, **Ukrainian Tradizional**
- Patapan, Bernard De La **Monnoye**
- White Christmas, I. Berlin























Accesso Live e Virtuale, per ulteriori informazioni, prego contattare 1year1day@simulationteam.com www.simulationteam.com/1year1day





... and Interviewing





















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www.itim.unige.it/strategos

References

www.itim.unige.it/mipet mipet@itim.unige.it













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Dott.ssa Marina Massei DIME, University of Genoa

Via Cadorna, 17100 Savona, Italy Email massei@itim.unige.it URL www.itim.unige.it/mipet







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