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Press kit Conference of the 30th of March 2022

#GIPARIS22

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Contents

| The big European event for all sectors of tomorrow's industryp.03 |
|--|
| Global Industrie 2022 at a time of responsible reindustrializationp.07 |
| Global Industrie develops its measurement sector by incorporating Measurement World 2022 p.09 |
| GAS Analysis 2022: The leading event for green industry |
| The Artificial Intelligence (AI) villagep.11 |
| Golden Tech: Industrial excellence, the variety of jobs in industry and the richness of its know-how rewarded in a unique competition! |
| GI Awards: the Industry Oscars p.14 |
| Planning, starting and advancing a career in industry with GI Avenirp.15 |
| Conferences under the banner of responsible reindustrialization |
| GI Channelsp.25 |
| Partners p.26 |
| Plan of the exhibitionp.28 |
| Practical informationp.29 |

Photo gallery of the 2021 edition

https://tinyurl.com/5n77r8rf



The big European event for all sectors of tomorrow's industry

17 to 20 May 2022, Halls 5a and 6, Paris Nord Villepinte.

An event that is unique in France and among the biggest in the world

Global Industrie is the only event in France to cover **industry as a whole**, from the **entirety of its ecosystem** (start-ups, large corporations, subcontractors, producers of industrial equipment or solutions, competitive clusters, research centers, incubators, etc.) through to **its whole value chain** (R&D, design, production, maintenance, services, training, etc.) and **all of its user markets** (transport, energy, food, chemicals, cosmetics and pharmaceuticals, mechanical engineering, etc.).

It only took three editions for Global Industrie to establish itself as one of the major exhibitions devoted to industry in the world. Geared both to the industry of the future and to the international market, it is held on even years in Paris and odd years in Lyon. This geographical alternation enriches both its offer and its visitor base.

In 2022, Global Industrie is continuing in its mission to support the whole industrial sector. On an **exhibition floor area of 100,000 m²**, its **2,300 exhibitors** will be eager to present their know-how and initiate partnerships and alliances. Guaranteeing good relations between customers and suppliers, Global Industrie maintains the link between research and industry and facilitates the meeting of talented young people with company heads and representatives of Human Resource departments.

An unrivalled global technological offer

Firmly rooted in its time and a genuine barometer of industry, the exhibition changes each year to make its offer ever more legible, representative and complete by being divided into **15 representative sectors of industry** simultaneously presenting equipment, solutions and know-how:

- 1. Assembly, mounting, fastening
- 2. Smart: digitalisation, automation, mechatronic
- 3. Electronics
- 4. Additive manufacturing & 3D printing
- 5. Finiting & material treatment
- 6. Forge & foundry
- 7. Materials & semi-finished products
- 8. Measurement, control, vision, instrumentation
- 9. Plastics, rubber, composites
- 10. Regions & countries
- 11. Robotics
- 12. Services and factory equipment
- 13. Sheetmetal, metal shaping, welding
- 14. Machining & material removal
- 15. Green tech
- + Measurment World

A major international event supported at the highest level

Actively supported by the highest political and institutional authorities as well as socio-professional organizations, Global Industrie has set itself four main missions:

- Helping people to obtain new skills and opening the way for them to new professions.
- Promoting the image of industry in France to the general public and to young people in particular.
- Supporting the whole industrial community to ensure that it commits itself optimally to the industry of the future.
- Expanding its influence throughout Europe to restore French industry to its rightful place.

Placed under the Patronage of the French President Mr. Emmanuel Macron, Global Industrie plays host to a number of ministers, elected officials, ambassadors and representatives of the biggest European professional organizations in the world of industry.

This has not gone unnoticed by the world of industry, in every sense of the word. Global Industrie has 85 countries represented by its visitors and 40% of its exhibitors come from abroad, from 40 countries. As is the case every year, **French regional delegations** (from Auvergne-Rhône-Alpes, Grand Est, Bourgogne-Franche-Comté, Seine-et-Marne, Centre-Val-de-Loire, Normandy, etc.) and **international delegations** (from Belgium, Spain, Italy, Portugal, Czech Republic, Slovakia, Tunisia, etc.) will make a special trip.

A highly topical industrial theme: responsible reindustrialization

While the environmental issue has been at the forefront of political, societal and industrial concerns and actions for a number of years, the Covid 19 crisis also highlighted France's excessive dependency on foreign countries in areas of production which are central or even vital for the country. Players on all sides are in agreement on the need to relaunch the industrial sector, and seek to refocus debate on major themes (the environment, cyber security, territorial issues and the digital transformation) and on issues relating to people (organization, management, corporate social responsibility, employment and training).

Global Industrie is doing its bit by placing this need for responsible reindustrialization at the heart of its 2022 edition, with:

- a **dedicated activity** at the entrance to Hall 6 which will invite visitors to position themselves on industry's four main transformation challenges, which concern digital technology, the environment, companies and technologies.
- a **large studio event** presented by the journalist Stéphane Courgeon in which professionals will give talks on each of these themes and interact with the audience in four daily 45-minute sessions interspersed with videos
- a **conference program** entirely devoted to this theme by way of round tables, keynote addresses and master classes emphasizing feedback in the two big conference rooms

Two major innovations in 2022

► Measurement World 2022

The merger between Measurement World and Global Industrie initiated in Lyon in 2021 was widely hailed by all participants, who wished to see this move made permanent and expanded. Thus, in 2022, Measurement World will be an integral part of Global Industrie Paris.

Thus expanded, the measurement sector at Global Industrie brings together industrial users, experts, academics, manufacturers, service providers and international and institutional laboratories and

highlights French and European technological know-how, particularly in the fields of instrumentation, metrology and analysis.

Also a springboard for innovations and a monitoring tool, this is a unique opportunity to see, touch and understand the scope of the technological solutions and all the contributions of measurement (monitoring, optimization, productivity, quality, reliability, use of data, etc.) to all industrial sectors.

▶ 2022 GAS Analysis Symposium

The Collège Français de Métrologie (CFM), in partnership with Measurement World and Global Industrie, is organizing the 11th edition of the international event GAS Analysis Symposium & Exhibition, in which the program will be dedicated to Green Industry.

A benchmark event with nearly 300 participants, GAS Analysis has established itself over the years as the global symposium for gas analysis by covering themes corresponding to planetary challenges. Seen as the best forum for discussion of the latest cutting-edge innovations and applications in industry, it will be attended by numerous players in the sector: from experts, regulatory decision-makers, technical managers, research laboratories and manufacturers through to industrial users.

Highlights closely linked to the field to pace the event

► Global Industrie Awards: excellence in innovation

Created in 2018, the Global Industrie Awards reward exhibitors at the show for the development of an innovative product, service or know-how intended for manufacturers who wish to improve their performances, optimize their production equipment or develop their company's CSR values.

In 2022, a trophy will be awarded in each of the following categories: Production technology; Peripheral technology; Digital transition; Environmental responsibility; Exemplary partnership; Start-up.

► GI Avenir, to plan, start and advance a career in industry

To meet companies' growth requirements and skill shortages, Global Industrie offers a service entirely dedicated to employment, training and the attractiveness of jobs in industry, which is a teeming breeding ground for jobs, many of which unfortunately too often remain unfilled.

Job seekers, young graduates or HR managers experiencing difficulties in recruiting or finding a job have several tools placed at their disposal: recruitment sessions (job dating), coaching for people starting their career or changing jobs, guided tours for young people or teachers, learning about jobs from professional organizations, etc.

Golden Tech: Industrial excellence, the variety of jobs in industry and the richness of its know-how rewarded in a unique competition!

Industry is rich, exciting and innovative. To demonstrate this, Global Industrie is launching a new competition based on industrial excellence: Golden Tech. Providing contestants with an arena in which to fully express their dexterity, their technical knowledge, their know-how and their creativity in themebased tests adapted to each profession. This is the purpose of this new competition open to all industry professionals: Golden Tech.

The Golden Tech competition will spotlight the following ten professions in turn, each sponsored by one or two industrial leaders in their sector:

- Design Engineer/Designer (Partners: Dassault Systèmes, Visiativ)

- Automation Network Designer (Partners: IFM, Agilicom)

- Automation Data Manager

(Partner: Siemens)

- Metrologist (Partner: Zeiss)

- Automation Programmer (Partner: Schneider Electric) - Rolling Mill Operator

(Partner: AMB Picot)

- Welder

(Partner: Fronius)

- Continuous Improvement Manager

(Partner: Astrée Software) - Motion Control Manager (Partner: Beckhoff) - Robotics Engineer

(Partner: Fanuc)

Four days of non-stop live competition to highlight and promote unique know-how. An exceptional show designed to encourage vocations among young people and spotlight the men and women who make our industry strong. Suspense and thrills guaranteed!

► GI Conferences

Reindustrialization, regions, responsibility, competitiveness, technologies, skills... **more than 160 experts and manufacturers** will contribute to a rich program of conferences focused on the 2022 theme.

A wealth of highlights and feedback in the form of masterclasses given by leading captains of industry, de keynote addresses by factory directors and technical managers or de round tables on one of today's major technological or strategic issues for industry.

GI Channels, to avoid missing anything at Global Industrie

GI Channels, or how to benefit from the Global Industrie experience without any constraints of time or place.

Live, throughout the four days of the exhibition, in the TV Studio, on the screens positioned around the exhibition halls or via the myGI application, but also in replay mode, after the exhibition, on the Global Industrie Youtube account.

Tours by political and institutional figures, masterclasses, round tables and keynote addresses, Golden Tech competition, reports on exhibitors and activities, interviews with experts and partners, GI Breakfast and afterworks or 1 o'clock News... six digital channels will present programs with a variety of formats and content.

GLOBAL INDUSTRIE 2022 IN BRIEF

2,300 exhibitors,
40 % of them from abroad, from around thirty countries
40,000 visitors expected
100,000 m² of exhibition floor area
1,500 machines in operation, making it the biggest factory in France

Global Industrie 2022 at a time of responsible reindustrialization

GLOBAL INDUSTRIE, the only event in France to cover industry as a whole (ecosystem, value chain and user markets), is focusing all its resources to serve the wave of reindustrialization which is currently reshaping the sector in France. The exhibition will therefore make responsible reindustrialization the central theme of its 2022 edition.

With the presidential election a few months away, the whole French political class is united on one point: reindustrialization. The Covid 19 pandemic has not only highlighted the urgent need to restore national economic sovereignty but also boosted the underlying trend towards bringing home part of the country's productive base which began a few years ago. The 35 billion Euros of financial aid in the France Relance recovery plan devoted to industry is not unrelated to this upturn in investments, which returned to their pre-pandemic level in 2021.

Better still, in a reversal of the deindustrialization which has hit France over the past forty years (two million industrial jobs were lost between 1980 and 2010), in 2021 there were twice as many site openings (53) as closures (24, down 43 % over the first nine months of the year compared to 2019), not to mention the extension of the capacity of around thirty existing sites. All sectors are concerned, as are all regions¹. A trend is emerging: many of these new industrial facilities prioritize the environment, short production chains, recycling or the circular economy. In France, it is thus now time for responsible reindustrialization.

"GLOBAL INDUSTRIE is committed to assisting in this major change in the sector and is devoting all its resources and its energy to supporting the movement towards the relaunching of the French economy and industry."

Sébastien Gillet, Exhibition Director

Thus, from the 17th to the 20th of May 2022, GLOBAL INDUSTRIE Paris will be held under the banner of competitive and responsible reindustrialization, the theme of this new edition presented in all its aspects: technological (digitalization - particularly in the Artificial Intelligence and Cybersecurity Villages, automation, etc.), ecological (ecological transition, energy transition, etc.), territorial (relocation, success stories, etc..), political (reindustrialization strategies, etc.), managerial (reorganization of companies and working methods, etc.), and human (training, employment, etc.).

Activities and events on the theme of responsible reindustrialization

The Responsible Reindustrialization space

A space located at the entrance to Hall 6 will invite visitors to position themselves on industry's four main transformation challenges, which concern:

- 1. Digital technology: data management, cyber security, etc.
- 2. The environment: carbon reduction, hydrogen, etc.
- 3. Companies: responsible purchasing, CSR, etc.
- 4. Technologies: additive manufacturing, automation, robotics, etc.

Every day, in 45-minute sessions interspersed with videos, visitors will be able to listen to and talk with professionals on these four major issues.

This studio event, presented by the journalist Stéphane Courgeon, will also leave room for interaction. For each theme, visitors will be asked to give their opinion on precise questions. They will be able to

reply via their phone using a QR CODE which will be displayed all over the stand. The statistics will appear live on a giant screen.

A conference program devoted to this theme

Responsible reindustrialization will be discussed in the two big conference rooms located at the heart of the Smart Industry section by way of round tables, keynote addresses and master classes emphasizing feedback on six main aspects.

- 1. **Reindustrialization**: "What products are conducive to reshoring or location in France?", "Europe and the industry of the future: a common vision, a varied reality", "Diversification: agile organization and methods to support your transformation", etc.
- 2. **Regions**: "Restoring industry's image: a pious wish or an ongoing process?", "How can we strengthen the economy of our regions and halt their decline?", "Becoming a collaborative industry and assisting the country's regions", etc.
- 3. **Responsibility**: "Economy: French competitiveness in question(s)", "The circular economy, a challenge for today and tomorrow", etc.
- 4. **Competitiveness**: Additive manufacturing, automation, robotics, etc.
- 5. **Technologies**: "The digital twin, a weapon of mass industrialization", "3D printing: the big industrial challenge", "Industry of the future: successfully implementing predictive maintenance", "Collaborative robotics, how can people optimize their choices?", etc.
- 6. **Skills**: "Training of the future and the future of training", "Recruiting effectively in industry, a brief guide", etc.



Global Industrie develops its measurement Sector by incorporating Measurement World 2022

In 2022, Measurement World, the international event for players in the measurement field (analysis / control / optics / processes / vision), will reinforce the measurement sector historically present at Global Industrie. To complement this specialized offer, exclusive contents will be presented, including the 2022 international GAS Analysis Symposium.

A market context which creates new opportunities

The very unusual situation in 2021 considerably changed the events landscape, leading to unprecedented combinations. The joint holding of Global Industrie and Measurement World in Lyon in 2021 thus clearly demonstrated the appropriateness of synergy between the measurement world and the industrial developments world. This initiative, which was beneficial for everyone, was widely hailed by all participants (exhibitors, visitors, conference delegates and partners), who wished to see it made permanent and expanded.

Buoyed by this success, in 2022 Measurement World will be entirely integrated in Global Industrie in Paris. This expanded sector brings

Key figures for Measurement at Global Industrie 2022

200 Exhibitors3,500 Visitors (2021 edition)Measurement World is now an annual event

together industrial users, experts, academics, manufacturers, service providers and international and institutional laboratories and highlights French and European technological know-how, particularly in the fields of instrumentation, metrology and analysis. Also a springboard for innovations and a monitoring tool, this is a unique opportunity to see, touch and understand the scope of the technological solutions and all the contributions of measurement (monitoring, optimization, productivity, quality, reliability, use of data, etc.) to all industrial sectors.

A place for exchanges and meetings between industry and research

Its historical concept, combining exhibition, demonstrations, business meetings and expert contents and incorporating a scientific congress, makes it a focal point for industry and research.

For this edition, the CFM (Collège Français de Métrologie) is organizing the 2022 international GAS Analysis Symposium, which will be attended by 300 participants, consisting of people from metrology research laboratories and corporate users in the gas analysis sector.

Seen as the best forum for discussion of the latest cutting-edge innovations and applications in industry, GAS Analysis attracts experts, regulatory decision-makers, technical managers, research laboratories, manufacturers and industrial users. The symposium will be orchestrated under three main application themes: Environment, Energy/BioGas and Health.

Consisting of conferences, tutorials, an exhibition area within the exhibition and social networking events, the program will give an update on the latest advances in gas metrology, energy transition, industrial innovation and air quality.

In parallel, over a period of four days, a program of open-access technical conferences will be presented by EMVA (European Machine Vision Association), LCIE BUREAU VERITAS and the CFM (Collège Français de Métrologie).



GAS Analysis 2022: The leading event for *green* industry

GAS Analysis Symposium & Exhibition is the leading global symposium, bringing together nearly 300 participants and highly appreciated by the gas analysis community. The event will be conducted under the auspices of the CFM in Paris- Nord Villepinte for its 11th edition from the 17th to the 20th of May 2022.

A rich program combining Hydrogen, Biogas, Energy and the Environment

Dealing with planetary challenges, GAS Analysis has been able to establish itself as the best forum for discussion of the latest advances and applications in industry. It attracts numerous players in the sector: from experts, regulatory decision-makers, technical managers, research laboratories and manufacturers through to industrial users.

It is orchestrated under two application themes: the Environment and Energies. Its program will consist of 80 oral conferences and posters concerning advances in **gas metrology**, **hydrogen**, **carbon reduction**, **energy transition**, **biogas**, **industrial innovation**, **climate and air quality**. Four tutorials and an exhibition area featuring "real-life" meetings are also on the agenda.

A GAS Analysis hub within an expanded exhibition

GAS Analysis will be held in partnership with **Global Industrie/Measurement World**. The symposium is a key event for an industry seeking to transform itself: at a time when we are fighting global warming and faced with the need to integrate the environmental factor in our ways of producing, this partnership takes on its full meaning!

To ensure maximum cohesion, the exhibition part of GAS Analysis will enjoy a central location to serve as a meeting point for participants in the symposium. The center of this exhibition called the "GAS Analysis Hub" will be animated by poster presentations and a continuous catering service aligned with the program of the symposium.

Ideally located around this hub, GAS2022 exhibitors will be able to come into direct contact with participants in the symposium and other organizations in the **Instrumentation**, **Metrology** and **Analysis** sector

GAS Analysis is organized by Air Liquide, Analytical Controls by Pac, Cetiat, Effectech, Euramet, LNE, Linde, NPL, VSL, Shell Global Solutions International and the Collège Français de Métrologie.

Sponsors announced to date: Agilent Technlogies and Orthodyne

Exhibitors confirmed to date: Agilent Technologies, Alytech, AP2E, APIX Analytics, Bohr / Endet, Bundesanstalt für Materialforschung und -prüfung (BAM) / MefHySto, Chemlys, EffecTech, Endress+Hauser, Etalonair, LNI Swissgas, Meeco, mirSense, National Physical Laboratory (NPL), Orthodyne, Picarro, Process Insights, PST Process Sensing Technologies, SIAD, Soclema, Thermo Fisher Scientific...



Link to the detailed program

Organizer and Press Contact: Collège Français de Métrologie 04 67 06 20 36 - gas2022@cfmetrologie.com www.gasanalysisevent.com

The Artificial Intelligence (AI) village



Set up with the Directorate General for Enterprise (DGE) and awarded the PFUE label (marking the French Presidency of the European Union)*, this 300 m² village (in the Smart sector: digitalization, automation, mechatronics) will bring together around thirty French and foreign start-ups and large companies proposing an Artificial Intelligence solution.



Al opens up new areas for research through machine learning (ML) or Deep Learning. It intervenes in the fields of production, planning, control, predictive maintenance, etc. with the goal of improving industrial performance.

Global Industrie will highlight this teeming activity in a theme village which will promote a concrete European initiative in AI, create commercial synergies between companies and improve a European ecosystem of AI companies, professionals and academics.

Visitors will have access to exhibitor pitches scheduled in the center of this area and will be able to attend daily round tables organized by the DGE in the Conference area.

Round tables organized by the DGE

The future technological challenges of AI for industry.

Tuesday 17 May - 1 p.m. to 2 p.m. (Barjavel Room)

European strategies in AI: how can we compete with China and the United States and what advantages does Europe have in terms of AI?

Wednesday 18 May - 11:30 a.m. to 12:30 p.m. (Asimov Room)

Trusted AI: a framework for an ethical, reliable and certified European AI offer.

Thursday 19 May - 10:30 a.m. to 11:30 a.m. (Asimov Room)

Are SMEs and AI a difficult match? Success stories, obstacles and challenges.

Thursday 19 May - 3:15 p.m. to 4 p.m. (Barjavel Room)

European regulations on artificial intelligence.

Friday 20 May - 1 p.m. to 2 p.m. (Asimov Room)

Al Village partners









^{*}This event is not organized by the French government. It is however authorized by the French government to use the emblem of the French Presidency of the Council of the European Union



Golden Tech: Industrial excellence, the variety of jobs in industry and the richness of its know-how rewarded in a unique competition!

Industry is rich, exciting and innovative. To demonstrate this, GLOBAL INDUSTRIE is launching a new competition based on industrial excellence: Golden Tech.

Four days of non-stop live competition to highlight and promote unique know-how. An exceptional show designed to encourage vocations among young people and spotlight the men and women who make our industry strong.

Suspense and thrills quaranteed!

Global Industrie / Golden Tech: common values

Providing contestants with an arena in which to fully express their dexterity, their technical knowledge, their know-how and their creativity in theme-based tests adapted to each profession. This is the purpose of this new competition open to all industry professionals: Golden Tech.

"GLOBAL INDUSTRIE is proud to launch Golden Tech, a competition which embodies the values which are dear to us: promoting the diversity and wealth of industrial jobs, supporting generational turnover, and reaffirming Man's place at the heart of the industrial environment", Sébastien Gillet, Exhibition Director.

Two hours to reveal your talent

For four days, on a dedicated floor area of more than 1,000 m², professionals (around ten per profession) will demonstrate their know-how in the creation of a work in front of an audience of visitors. They will have two hours to do this

For each profession, the theme of the technical test will be announced on the website goldentech.fr on the 26th of January.

The precise subject of the test will not be revealed to contestants until one hour before the test starts.

The contestants' work, creativity, technical expertise and end result will be assessed and marked by a jury of experts.

Test timetable

Tuesday, Wednesday, Thursday: 9:30 /

12:30 / 3:30

Friday: 9:30 / 12:30

Tests broadcast live every day on GI Channels (dedicated channel)

Presentation of the awards

Friday 20 May (afternoon)

Broadcast live on GI Channels (dedicated channel)

On Friday the 20th of May, in each professional category, three medals (bronze, silver and gold) will be awarded to the three contestants who have received the highest marks. Each gold medal winner will receive a check for 1,000 Euros.

10 professions spotlighted

All professionals who wish to participate in this new competition must register online on the website goldentech.fr. The contestants (11 maximum) chosen in each professional category will have been selected by the partners according to their motivations and their knowledge.

<u>Note</u>: each contestant will have his traveling and accommodation expenses paid by GL events. Working clothes and meals will also be provided on site.

The Golden Tech competition will spotlight the following ten professions in turn, each sponsored by one or two industrial leaders in their sector:

- ·Design Engineer/Designer (Partners: Dassault Systèmes, Visiativ)
- ·Automation Network Designer (Partners: IFM, Agilicom)
- ·Automation Data Manager (Partner: Siemens)
- ·Metrologist (Partner: Zeiss)
- ·Automation Programmer (Partner: Schneider Electric)
- ·Rolling Mill Operator (Partner: AMB Picot)
- ·Welder (Partner: Fronius)
- ·Continuous Improvement Manager (Partner: Astrée Software)
- ·Motion Control Manager (Partner: Beckhoff)
- ·Robotics Engineer (Partner: Fanuc)

For more details on each profession and the associated tests:

https://goldentech.fr

GI Awards: the Industry *Oscars*



Presentation of the Awards on Tuesday 17 May in the late afternoon (in the conference room)

The Global Industrie Awards highlight each year the innovation and appropriateness of products or services dedicated to production technologies. Now a benchmark in the industrial sector, these trophies are awarded after the new products have been closely examined by a jury made up of manufacturers, experts and specialized journalists. In 2022, the categories have been reviewed to follow major changes in the profession as closely as possible.

Production technology

This category rewards major technological innovations dedicated to the production line: from materials (metals, plastics, composites, components, etc.) to the different manufacturing techniques (additive manufacturing/3D printing, printed electronics, machining by material removal, forge & foundry and sheet metal work) but also production automation techniques, robotics, measurement, control, on-line vision, finishing solutions (surface treatments) and all fluids and solids inherent to production (inks, alloys, fluxes, cutting oil, part cleaning products, etc.).

Peripheral technology

This category rewards major technological innovations dedicated to the machine environment and process optimization: software and NC, automated systems, cobotics; palletization; measurement, control, off-line vision; operating fluids (energy, maintenance, traceability, etc.).

Digital transition

This category rewards solutions proposed by service providers who assist companies in their digital transformation but also successful digital transition initiatives in terms of cyber security, time, investment, or changes in skills.

Environmental responsibility

This category rewards technical and technological innovations which help to improve companies' CSR performance: energy efficiency, circular economy, electrification and hybridization, recycling, eco-design, corporate social and societal values, employee training, etc.

Exemplary partnership

This category rewards projects conducted jointly or in synergy between several companies (prime contractor/subcontractor, cross-functional project, companies with complementary know-how, large corporation/SME, national or regional innovation support organizations, laboratories) around a part, a set of parts, a service, etc.

Start-up

This category rewards start-up companies less than 3 years old which have developed an innovative solution or service currently being deployed to one or more customers. This award should enable the company to receive backing in a new investor round or an application for subsidies or a loan.



The winners of the 2021 Global Industrie Awards with Mrs. Agnès Pannier-Runacher,

Minister Delegate to the Minister of the Economy, Finance and Recovery, in charge of Industry

Planning, starting and advancing a career in industry with GI Avenir



France set records for employment and training in 2021: far higher recruitment on fixed-term contracts of more than one month or permanent contracts than before the crisis¹, a 37 % increase in the number of apprenticeship contracts², etc.

Despite this, the industry sector is still struggling to attract new talents.

Once again this year, Global Industrie is bringing its wide-reaching GI Avenir system into play to increase awareness among young graduates and job seekers and assist HR departments in the different sectors in their recruitment.

GI Avenir: an innovative system at the heart of industry's big event

Meeting visitors' expectations through concrete and useful actions, GI Avenir will be the rallying point for players in employment and training. Combining an information space, job dating, coaching, guided tours, activities, etc., GI Avenir aims to emphasize know-how, provide information on the wealth of careers available, highlight the sectors which are recruiting and promote the professions of the future.

The GI Avenir space is intended for young people, from high school students to university students and from those on an academic track to apprentices, for job seekers or working people undergoing retraining, for the education community and for school students' parents. It aims to emphasize professional know-how, reflect the wealth of careers, highlight the jobs available and promote the professions of the future.



A veritable passport to the various services provided on GI Avenir, the MyGI application (available on Google Play and Apple Store) will allow users to:

- · Obtain their exhibition access badge
- Submit their CV / Submit offers for jobs, internships or sandwich courses
- Consult CVs / Access offers for jobs, internships or sandwich courses
- Make appointments for express coaching sessions
- Consult the list of companies present at the Job Dating sessions

EMPLOYMENT

Job dating

17 to 19 May 2022 - In the GI Avenir space (Hall 5)
In partnership with Pôle Emploi (the French government employment agency) and Randstad
And with the participation of the Metallurgical Industries Group (GIM)

To prepare optimally for these job dating sessions organized at the exhibition, job applicants can submit their CV via the MyGI application and recruiters can submit their offers for jobs, internships or sandwich courses. Recruiters will also be able to access the job applicants' profiles and get in touch with them. Over a period of three days (from the 17th to the 19th of May), companies which are recruiting (whether exhibiting or not) will be provided with corners to meet the selected candidates in 30-minute time slots. Companies with recruitment needs can register now by contacting hermine.douesneau@gl-events.com

¹ URSSAF National Office - January 2022

² Ministry of Labor - February 2022

Express Coaching

In the GI Avenir space (Hall 5)
In partnership with Arts et Métiers Alumni



Set up with Arts et Métiers alumni, the express coaching sessions provide 30 minutes of personal assistance to young graduates, people wishing to give their career new impetus or those preparing to embark on the path of entrepreneurship.

- · Young graduates, get off to the right start!
- · Stay ahead and drive your career better!
- Do you have what it takes to be an entrepreneur? (For those wishing to take over or set up a company)
- Do you have what it takes to be a consultant? (For those wishing to become an interim manager)

TRAINING

Visitor trails and guided tours

Teachers, university students, young graduates, school students and job seekers will be able to follow guided tours or unguided tours (with a paper and digital trail) to find out about different jobs. In accordance with the types of visitors and their interests, the visitor trails will take them to the future technology stands, to the exhibition's activities and to the institutional partners who will be able to

inform them on the jobs and training available to them.

Throughout the period of the exhibition, half-day guided tours for school students will give an overview of industrial sectors. They will begin with a visit to the Trades Hub (1½ hours) before exploring the exhibition (1½ hours). Lastly, guided tours will also be specifically organized for teachers as part of the CEFPEP training.

For these operations, Global Industrie is supported by the Île-de-France education authorities.

The Trades Hub

Created by the Aforp Group and the GIM, the Trades Hub is a 5-stage recreational learning trail allowing visitors to find out about a range of professions providing employment in factories and the skills required to practice them. Intended for middle school students (8th and 9th grades) and high school students (10th grade), this trail explores jobs in design, organization, production, robotics and maintenance.

This operation organized in Aforp's training center (located in Tremblay, 10 minutes away from the Paris-Nord Villepinte Exhibition Centre) provides key information on professions which are recruiting, the qualifications required and the training courses available, while giving an up-to-date picture of industry and working conditions.

Professional organizations partnering GI Avenir

Strongly committed to increasing awareness of jobs and training, professional unions, federations and associations participating in the GI Avenir system will set aside a specific space on their stand where they will be able to provide visitors with information on careers, training schools and sectors which are recruiting.

Professional organizations participating in the operation:



















DISCOVERING JOBS

NEW

Experience industry: A day of immersion in the industrial world

On the 17th of May 2022, the FIM, the Fabrique de l'Industrie, the GIM and the DGE are organizing an awareness operation for 30 eighth grade students. Accompanied by technicians and engineers, six groups will go through the aisles of the exhibition to meet exhibiting manufacturers. They will thus discover the diversity of industry and the jobs people are passionate about. To complement this, the morning will be devoted to discovering the **Trades Hub** (Aforp).









The Industry 4.0 Hackathon by CQM

NEW

Two 2-day sessions, on the 17th and 18th of May and the 19th and 20th of May 2022 - In the GI Avenir space (Hall 5)
GI Avenir is launching its Hackathon dedicated to Data Science, in partnership with the Aerospace Jobs and Qualifications Campus of the University of Evry.

The contestants (university students and trainee engineers) will have to demonstrate their skills in optimizing product demand forecasting, a major industrial requirement.

To do this, they will use the artificial intelligence platform papAI created by Datategy, a partner of the operation.

Ten teams (five on Tuesday and five on Wednesday) will take part in this hackathon, including an all-female team (on Tuesday) in partnership with Elles Bougent.

Subject

Problem: A set of data will be proposed containing the product demand history for a manufacturing company operating worldwide. The company markets thousands of products in dozens of product categories. There are four central warehouses, and each warehouse manages the shipment of the products in the region for which it is responsible. Given that the products are manufactured in various places around the world, it normally takes more than a month to ship the products by sea to the different central warehouses. If it was possible to make monthly forecasts for each product in the various distribution centers, with reasonable accuracy, this would enable the company to better control its procurements, deliveries and stocks and therefore minimize its costs.

Methodology: In the course of this contest, papAI will be used to solve this problem and create the best forecasting system using the historical data.

Evaluation: All the historical data are divided into training and test datasets in proportions of 80 % and 20 % respectively. Only the framework will be provided to construct the model, and then the test set will be used to evaluate it. The Mean Absolute Error (MAE) will be used to choose the best model.



Elles bougent

The main aim of **Elles bougent** is to improve opportunities for women in companies Elles bougent in the industrial and technological sectors. Women still only account for a small percentage of the workforce in these sectors, especially in technical positions, and companies would like more of them to choose to work in their fields.

On Tuesday the 17th of May, the association will give young female students and graduates and women looking for jobs, internships or sandwich courses the opportunity to go and meet exhibitors to learn about their activities and jobs.

ACTIVITIES

The Plastics Truck (Hall 6)

Built by POLYVIA, the plastics truck is installed in the center of the exhibition. It will allow people to immerse themselves in the plastics and composites sector and learn about this field, its jobs and the training available, but also to talk to regional manufacturers who are recruiting apprentices.



Born around fifty years ago, plastics processing is a young and pioneering industry which encourages innovation, optimizes the use of raw materials, commits itself to the development of a circular economy model and creates jobs. The growth prospects linked to the almost infinite potential of plastics make it a sector of the future. There are 3,350 companies in the sector employing 125,000 people.

Worldskills (Hall 6)

Contestants who will represent France at the next Worldskills competition in Shanghai in December 2022 will be present at the exhibition for practice under real conditions. Four professions have been selected: CADD, Milling (CAD), Robotics integration and Mobile robotics.



GI Avenir partners















































Conferences

under the banner of responsible reindustrialization

This theme is central to Global Industrie 2022 and will be addressed throughout the program of conferences from six main angles: Reindustrialization, Regions, Environmental Responsibility, Competitiveness, Technologies and Skills.

More than 160 experts and industrialists are expected in two big rooms, the Asimov Room and the Barjavel Room, located in the Smart Industry part of the exhibition, to provide feedback via a vast program of:

- round tables with three to five speakers and a presenter,
- **keynote addresses** given by a factory director, a technical manager or an economic specialist to shed light on an issue or provide feedback,
- masterclasses revealing the vision of a leading captain of industry.

All of these conferences will also be broadcast live and in replay mode on GI Channels.

Note: the program below was drawn up on the 16th of March 2022 and is therefore subject to change.

Tuesday 17 May 2022

1 p.m. to 2 p.m.

Barjavel Room - The future technological challenges of AI for industry

Round table in partnership with the DGE

2 p.m. to 2:30 p.m.

Barjavel Room - Digital Transformation of Faurecia's operations

Faurecia began its digitalization in 2015 and launched its digital transformation program at the end of 2016. This program improved the company's operating margin by one percent and was enabled by an increase in staff maturity regarding firstly advanced automation technologies and then artificial intelligence. And the story continues...

Keynote by Frédéric BOUMAZA, Operations Senior VP, Faurecia

2:30 p.m. to 3 p.m.

Barjavel Room - Europe: an industrial policy to reinforce open strategic autonomy and resilience

A policy analyst within the Directorate General for "Internal Market, Industry, Entrepreneurship and SMEs" in the "Strategy and regulation: single market and industrial policy" unit, Giuseppina Bitondo will talk about the latest developments in European industrial policy and the concept of open strategic autonomy, particularly the thorny problem of strategic dependency.

By Giuseppina BITONDO of the European Commission (speaking remotely)

2 p.m. to 4 p.m.

Asimov Room - Hydrogen, a strategic industry for France

Manufacturers and institutional players tell you about recent developments in this strategic sector for France and what the country intends to do to become a leader in this field.

In partnership with France Hydrogène

3 p.m. to 4 p.m.

Barjavel Room - Reshoring through a responsible purchasing approach

Organized by PwC France, France Industrie and the Conseil National des Achats (National Procurement Council)

Round table presented by Jacques PARY

With, in particular, Olivier LLUANSI, Strategy& partner at PwC France

Jean-Luc BARAS, President of the National Procurement Council

4 p.m. to 4:45 p.m.

Asimov Room - Economy: French competitiveness in question(s)

Come and ask leading representatives all your questions on such burning issues as the tax burden on companies, red tape and labor costs... and the help available to overcome these problems.

Round table presented by Guy FAGES, journalist

With Alexandre SAUBOT, President of France Industrie

Thomas COURBE, Director General of the DGE

Laurent MAZOUE, Executive vice-president for Operations at Airbus Helicopters

Alexis De NERVAUX, Group Chief Digital & Information Officer, Terreal

4 p.m. to 4:45 p.m.

Barjavel Room - Regions at the heart of the reindustrialization process

The Covid crisis has highlighted the urgent need to reindustrialize our country. A fight which is as difficult as it is essential, in which the Regions are in the front line.

Round table presented by Jacques PARY

With Olivier LLUANSI, Strategy& partner at PwC

Floriane BOULAY, Director General of the ADCF (National Federation of Intermunicipal Elected Representatives)

Guillaume MORTELIER, Executive Director in charge of support at Bpifrance

Guillaume BASSET, Director of the "Industry Territories" program

Jean-François CHANUT, Chairman of Ratier-Figeac

5 p.m. to 6 p.m.

Barjavel or Asimov Room - Presentation of the GI Awards

Wednesday 18 May 2022

10:30 a.m. to 11:30 a.m.

Asimov Room - Training of the future and the future of training

What will my job be tomorrow? How can training be deployed in Industry 4.0, to center it on operational methods of implementation? All of these questions (and many more) will be answered by leading industrialists and institutional players.

Round table presented by Eric ROUBERT, Editor of Arts & Métiers Magazine

With Federico BERERA, Chief Inspector of Education, Sport and Research, Dean of the Industrial Science and Technology Group

Stéphanie LAGALLE-BARANES, Director of OPCO 2i

Romain REBOULLEAU, Knowledge management digital tools, Framatome

Jean-Roch HOULLIER, Head of Learning and Digital, Safran University

Barjavel Room - Industry of the future: successfully implementing predictive maintenance

Predictive analysis consists, for industry, in sufficiently mastering knowledge of the behavior of an item of equipment in service, regarding both its state of health and its use, to estimate availability, reliability and safety during its subsequent operation.

Round table presented by Thierry PIGOT, journalist

With, in particular, a maintenance manager from Gruyère Energie (Switzerland)

Nicolas MARIE, Maintenance Service Manager, John Deere Power Systems

Jean-Yves KBAIER, Director, Ennovia

Philippe DESPESSE, Industrial Partnerships Manager, CEA LETI

11:30 a.m. to 12:30 p.m.

Asimov Room - European strategies in AI: how can we compete with China and the United States and what advantages does Europe have in terms of AI?

Round table in partnership with the DGE.

Barjavel Room - The digital twin, a weapon of mass industrialization

The digital twin offers numerous possibilities to strengthen the performance of products, anticipate the steps of their life cycle or plan production line activities, etc.

Round table presented by Jacques PARY

With, in particular, Raphaël CONTAMIN, Director of BIM Factory, Engie Maxima

Samir ASSAF, Simulation Center Engineer, Cetim

Franck BONASSERA, Axsys Industries Group

Sylvie GUINARD, Chief Executive Officer, Thimonnier

12:30 p.m. to 1:30 p.m.

Asimov Room - The place of mechanical engineers in digital industry

While the Golden Tech awards symbolize existing jobs and skills, what does the future hold in store for us?

With the arrival of the fourth industrial revolution, what is the impact of this digital world on more mechanical industries? How can they join in it and provide added value?

Presented by Stéphane SOUMIER, journalist, founding president of BSmart TV

With Jean-Hugues RIPOTEAU, Chairman of Fanuc France (profession: Robotics Engineer)

Mustapha EL BOUCHOUAFI, Managing Director of Zeiss Industrial Quality Solutions (profession: Metrologist)

Nicolas LE MOIGNE, Director of Sales - Europe, Africa, Russia of Mastercam (profession: Milling machine operator/Lathe operator)

2 p.m. to 3 p.m.

Asimov Room - Tomorrow, disruptive technologies

While the Golden Tech awards symbolize existing jobs and skills, what does the future hold in store for us?

Traditional jobs are being challenged by new ones. How must companies adapt? How can they change their habits and break glass ceilings?

Presented by Stéphane SOUMIER, journalist, founding president of BSmart TV

With, in particular, Vincent JAUNEAU, Vice-Chairman of Siemens France (profession: Automation Data Manager)

Barjavel Room - 3D printing: the big industrial challenge

The additive manufacturing revolution has started sweeping through factories. What are the advantages and what are the obstacles (skills, financing, etc.)?

Round table presented by Jean-Daniel PENOT, Additive Manufacturing Manager at Cesi

3 p.m. to 3:30 p.m.

Asimov Room - Industry 4.0 improves performance at Plastic Omnium

How has one of the biggest companies in France, which defines itself as the "leader of sustainable and connected mobility", taken advantage of the digital revolution...

Keynote by Philippe CONVAIN, Digital Manufacturing Director, Clean Energy Systems, Plastic Omnium

Barjavel Room - The scientific and technological challenges for the energy transition in the engineering industry

By Pierre CHALANDON, Operational Director, Cetim

3:30 p.m. to 4:30 p.m.

Asimov Room - Digital continuity, from design to delivery

While the Golden Tech awards symbolize existing jobs and skills, what does the future hold in store for us?

The era of compartmentalized jobs is behind us. With digital continuity, all professions have to work together within the same company, but also within the same ecosystem.

Presented by Stéphane SOUMIER, journalist, founding president of BSmart TV

With, in particular, Rombaut KETA, Managing Director of Beckhoff France (profession: Motion Control Manager)

Jan-Rémi FROMENTIN, Global Sales and Marketing Director of IFM solutions for Industry 4.0 (profession: Industrial Network Designer)

Barjavel Room - Recruiting effectively in industry, a brief guide

Industry is looking for new talents but is having a lot of difficulty in identifying them. However, solutions exist.

Round table presented by Eric ROUBERT, Editor of Arts & Métiers Magazine

4:30 p.m. to 5:30 p.m.

Asimov Room - What disruptive technologies tomorrow?

Traditional jobs are being challenged by new ones. How must companies adapt? How can they change their habits and break glass ceilings?

Round table presented by Thierry PIGOT, journalist

With, in particular, Philippe GUYOT, Design Consultancy Activities Manager, Cetim

Manuel COLLET, President, Ingénierie@Lyon

Barjavel Room - How to benefit from the research world

Although French research is in good shape, it often seems difficult to build bridges between it and the business world. However, simple solutions exist.

Round table in partnership with the SATT network

With, in particular, Sébastien TADDIA, Director of the Industry Division or Thierry Le Guével, Managing Director, Innax

Romain BAUDE, Co-founder and CEO, Aprex Solutions

Lucie MONOT, R&D group leader, Ingenova

Thursday 19 May 2022

10:15 a.m. to 11:15 a.m.

Barjavel Room - The circular economy, from dream to reality

At a time when the word "environment" is on everyone's lips, a frank review of this theme to discover manufacturers who have already carried out their revolution.

Round table presented by Jacques PARY

With, in particular, Muriel MAQUENNEHAN, Cetim

Pierre GEORGEALUT, Packaging R&D Director, Lactalis

10:30 a.m. to 11:30 a.m.

Asimov Room - Trusted AI: a framework for an ethical, reliable and certified European AI offer Round table in partnership with the DGE.

11:15 a.m. to 12 noon

Barjavel Room - Diversification: an agile organization and methods to support your transformation

The latest crisis has highlighted more than ever the need for manufacturers to diversify, with the help of digitalization and reorganization of production.

Round table presented by Jacques PARY

With, in particular, Julien GUILLEN, Additive Manufacturing Leader, Décathlon

Pierre-Marie GAILLOT, Company Industry 4.0 Transformation Architect, Cetim

12 noon to 1 p.m.

Asimov Room - What products are conducive to reshoring or location in France?

Government authorities have warned: only strategic and economically viable productions will be reshored. But which ones?

Round table presented by Guy FAGES, journalist

With, in particular, Stéphanie PISTRE, Chairman of Gimbert Surgelés

Max BLANCHET, Managing Director, Accenture Strategy

Barjavel Room - Energy, the big challenge of the industry of the future

Covid and then the war in Ukraine have heavily affected the energy economy. What are the solutions to stay competitive in the future?

Round table presented by Jacques PARY

With Landry MAILLET, CEO of ABCM

Vincent MAHEO, Chairman of ALSTOM Hydrogène SAS

Jean LE COZ, Global Market Manager Energy & H2 project, Cetim

A representative of ADEME

Benoît MIRET, Director of the Vicat cement works in Xeuilley

1:30 p.m. to 2:30 p.m.

Asimov Room - Towards responsible Design

In the era of Industry 4.0, environmental responsibility, sustainable development, integration of the human factor, etc., the designer's job is becoming central. He must incorporate these new fundamental trends.

Round table presented by Fabrice PELTIER, Designer and consultant, author of "Design pour les Nuls" ("Design for Dummies")

With, in particular, Xavier ALLARD, Design & Styling director, Alstom

Damien PERROT, Global Senior Vice President Design, Accor

Dominique PARET, Director of Cité Services (Cité du design)

Barjavel Room - Collaborative robotics, how can people optimize their choices?

Every day, new collaborative robots appear on the market, offering numerous functions, with advantages but also drawbacks. Unfamiliarity with the real benefits and the constraints associated with this complementary area of robotics has led some people to choose solutions which have to varying degrees fallen short of the initial objectives.

Round table presented by Thierry PIGOT, journalist

With Gabriel AUDRY, automated facilities and control expert, Renault-Nissan-Mitsubishi

Renaud CHAMPION – Co-founder of Robolution Capital

Alexandre BAILLEUL, Technical Project Manager, Cetim

2:30 p.m. to 3:15 p.m.

Asimov Room - Restoring industry's image: a pious wish or an ongoing process?

Industry still too often suffers from a "Victorian" image: dirty, tiring and poorly paid. A false idea which can be combated.

Round table presented by Jacques PARY

With, in particular, Stéphanie LAGALLE-BARANES, Director of OPCO 2i

Erwan COATANEA, Chairman, Sodistra

Barjavel Room - The Public Climate Bank: what are the aims?

In line with the government's Recovery Plan, Bpifrance and the Banque des Territoires launched a joint Climate Plan of nearly 40 billion Euros available between 2020 and 2024. The aim of this plan is to mobilize business leaders and facilitate the emergence of solutions for the environment.

By Pascal LAGARDE, Executive Director, Bpifrance

3:15 p.m. to 4 p.m.

Barjavel Room - Are SMEs and AI a difficult match? Success stories, obstacles and challenges

Round table in partnership with the DGE

Friday 20 May 2022

11 a.m. to 12 noon

Asimov Room - Between man and machine, a problem of trust

The robotics revolution is expected to raise great hopes and no less significant problems. Some of these problems are not specific to it, such as the threats to jobs which have accompanied all technological revolutions, or threats to liberties which already exist with our everyday digital objects. But other specific problems are going to appear. Voice synthesis and artificial empathy have been devised to enable us to live in peace with robots, but they are not without risks, particularly the risks that humans could bring upon themselves through a false appreciation of what these machines are.

By Serge TISSERON, psychiatrist, doctor of psychology, member of the Academy of Technologies, member of the *Conseil National du Numérique* (French Digital Council), Founding President of the *Institut pour l'Etude des Relations Homme-Robots* (IERHR) (Institute for Study of Human-Robot Relations)

1 p.m. to 2 p.m.

Asimov Room - European regulations on artificial intelligence

Round table organized in partnership with the DGE

GI Channels



The GI Channels concept allows visitors to experience the biggest moments of Global Industrie as they happen. It is intended both for those who cannot be present and for visitors or exhibitors who wish to see a replay of the key moments of the day.

With GI Channels, Global Industrie is continuing its digital transformation after a successful "phygital" edition in 2021 (21,000 people connected and nearly 40,000 views).

These channels will be available remotely via the MyGI site or physically in the TV studio and on the TV screens installed all around the exhibition. The replays will be available after the exhibition, on the Global Industrie Youtube account.

Six channels accessible via MyGI

1. Live

This channel will broadcast all the Live events of the exhibition: inaugurations, masterclasses, etc.

2. Stand Tour

To journey through the main stands, theme by theme

3. Responsible Reindustrialization

To participate in the 2022 theme of the exhibition

4. GoldenTech & Skills

This channel will show live broadcasts of the industrial professions competition (GoldenTech), proving that the need for skills is a key factor for a competitive Industry

5. Competitiveness

This theme channel will present the products and solutions designed to improve competitiveness

6. Industry 4.0

The theme channel to assist visitors and help them to move towards the industry of the future

Seven program formats will highlight the teeming activity of the exhibition every day:

- Tours by political and institutional figures
- Masterclasses, round tables and keynote addresses
- Golden Tech competition
- Reports on exhibitors and activities
- Interviews with experts and partners
- GI Breakfast and afterworks
- 1 o'clock news

Global Industrie will deploy a whole system to film and host the various programs:

- A GI Channels film studio at the entrance to hall 5.
- Mobile reports on exhibitors' stands, the activity areas and tours by official guests.
- Broadcasting from the conference rooms in hall 5.

Partners

Institutional support













Institutional partners





























































Practical information

Name Global Industrie – 4th edition

Place Paris-Nord Villepinte

Date 17 to 20 May 2022

Opening hours

Tuesday, Wednesday, Thursday: 9 a.m. to 6 p.m.

Friday: 9 a.m. to 5 p.m.

Expected number of exhibitors 2,300 exhibitors

Expected number of visitors 40,000 visitors

2022 exhibition floor area 100,000 m²

GL events Exhibitions

Zone Artisanale MAYNE II - CS 80223 - 47440 Casseneuil

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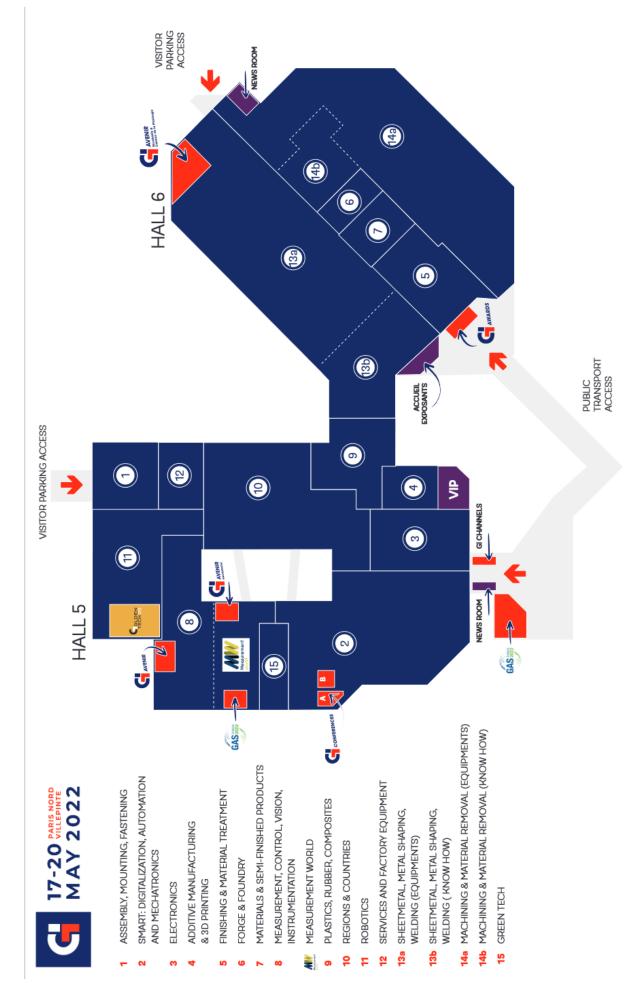












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