

The logo for the Global Manufacturing & Industrialisation Summit (GMIS), consisting of the letters 'GMIS' in a bold, green, sans-serif font.

Global Manufacturing &
Industrialisation Summit

Be Part of
#GMIS2019

Yekaterinburg, Russia
July 2019

The background of the entire page is a photograph of a grand, multi-story building with a prominent clock tower, illuminated at night. The sky is a mix of purple and blue. On the left side, there is a decorative graphic of overlapping green and blue triangles.

The second edition of the Global Manufacturing and Industrialisation Summit will be held in the city of Yekaterinburg, Russia - one of the world's largest manufacturing heartlands.

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www.gmisummit.com

THE INITIATIVE

The Global Manufacturing and Industrialisation Summit (GMIS) was established in 2015 as a platform to build bridges between manufacturers, governments & NGOs, technologists, and investors in harnessing the Fourth Industrial Revolution's transformation of manufacturing to the regeneration of the global economy. A joint initiative by the United Arab Emirates and the United Nations Industrial Development Organization (UNIDO), GMIS is a unique platform that presents the manufacturing sector with an opportunity to contribute towards global good, working for the benefit of all.

GMIS is the world's first cross-industrial and cross-functional platform that offers a voice and venue for leaders to transform manufacturing, encourage greater investment in capabilities, foster innovation and drive global skills development. Uniting influential delegates, including visionary world leaders, expert industry CEOs and specialist researchers and academics, the summit aims to place manufacturing at the heart of economic regeneration and government policymaking, utilising it as a tool for global cooperation and collaboration.



UNITED NATIONS
INDUSTRIAL DEVELOPMENT ORGANIZATION

"We need to strengthen our efforts to build a resilient manufacturing infrastructure to promote inclusive sustainable industrialisation while fostering innovation. The Global Manufacturing and Industrialisation Summit offers a unique and special opportunity to debate these issues and identify the solutions. We need to think of how to develop the manufacturing capabilities of countries, including their SMEs, and how to promote global value chains across key manufacturing sectors."

H.E. LI Yong, Director General, UNIDO



UNITED ARAB EMIRATES
MINISTRY OF ENERGY & INDUSTRY



"The overarching mission of the Global Manufacturing and Industrialisation Summit ensures the worldwide manufacturing sector adapts, evolves, innovates, and advances, through opportunities presented by the Fourth Industrial Revolution. It is about reinforcing the role of manufacturing as a driver of global economic regeneration to make the greatest possible contribution to social prosperity and the sustainability of our world."

H.E. Eng. Suhail Al Mazrouei, UAE Minister of Energy and Industry



MINPROMTORG
RUSSIA

"Russia and GMIS share ideals, beliefs, values, and vision in the sphere of manufacturing, not only as an industry, but as a driver of socioeconomic benefit – benefit that reaches into people's lives and strengthens the communities they live in. GMIS, a pioneering initiative with clear objectives and a proven capacity for nurturing collaboration and generating impact, provides the pivotal platform from which the world can identify a joint roadmap for the future of manufacturing, and Russia's commitment to this mission is exemplified by our hosting of GMIS2019."

H.E. Denis Manturov, Russian Minister for Trade and Industry

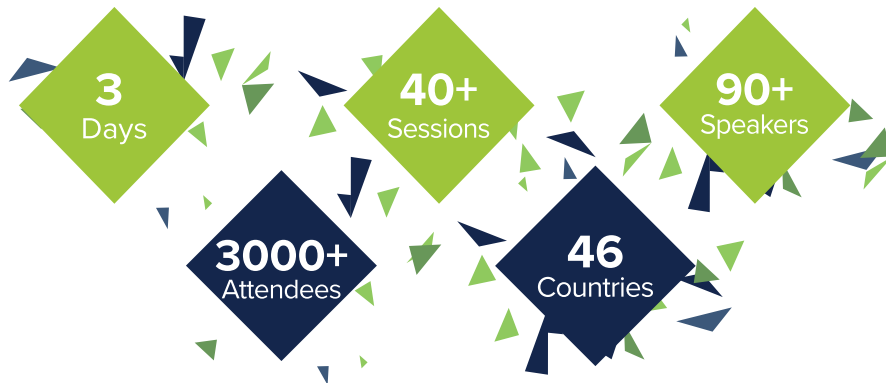
#GMIS2017



Siemens Grants up to 100 Million Euros in software licenses to UAE Universities

THE CONFERENCE

The inaugural #GMIS2017 conference was a resounding success, the impacts of which will resonate for years to come. Establishing itself as a truly inclusive platform, GMIS brought together global influencers including world-renowned CEOs, ministers of economy and industry, leading entrepreneurs, distinguished academics and revolutionary thinkers for three days of dynamic discussion and information exchange with the aim of advancing the vision of inclusive and sustainable industrial development.



THE YOUTH INITIATIVE is a programme designed to inspire and motivate youth and raise their awareness of the importance of manufacturing globally, presenting them with career opportunities in light of the Fourth Industrial Revolution (4IR).





H.E. Li Yong
Director General
United Nations Industrial
Development Organization
(UNIDO)



H.E. Eng. Sultan bin Saeed Al Mansouri
Minister of Economy
UAE



H.E. Khaldoon Khalifa Al Mubarak
Group CEO and MD
Mubadala Investment Company



Robert E. Moritz
Global Chairman
PwC



Niels Caszo
(Former) Global Head
AIESEC



H.E. Ahmed Abteaw Asfaw
Minister of Industry
Ethiopia



H.E. Ghulam Murtaza Khan Jatoi
Minister of Industries and
Production
Pakistan



Dr. Ibrahim Saif
(Former) Minister of Energy
and Mineral Resources
Jordan



H.E. Yosuke Takagi
State Minister of Economy,
Trade and Industry
Japan



Zhang Feng
Chief Engineer, Ministry of
Industry and Information (MIIT)
China



H.E. Mohammad Abdulla Al Gergawi
Minister of Cabinet Affairs
and the Future
UAE



H.E. Noura Al Kaabi
Minister of Culture and
Knowledge Development
UAE



H.E. Saif Al Hajeri
Chairman
Abu Dhabi Department of
Economic Development



H.E. Suhail Mohamed Al Mazrouei
Minister of Energy and Industry
UAE



H.E. Dr. Thani bin Ahmed Al Zeyoudi
Minister of Climate Change
and Environment
UAE



Beth Comstock
(Former) Vice Chair
GE



Bernard Charlès
Vice Chairman and CEO
Dassault Systeme



Dr. Bernard S. Meyerson
Chief Innovation Officer
IBM



Joe Kaeser
President and CEO
Siemens



Jean Bennington Sweeney
(Former) Chief Sustainability Officer
3M



David Hoey
Chief Executive Officer
WorldSkills International



David Shark
(Former) Deputy Director-
General
World Trade Organization
(WTO)



H.E. DR. Elham M.A. Ibrahim
Vice-Chair for Africa
World Energy Council



Kevin A. McKinley
Acting Secretary-General
International Organization for
Standardization



Sharan Burrow
General Secretary
International Trade Union
Confederation (ITUC)

1. 4IR and the SDGs: The increasing convergence of industrial technologies presents an opportunity for governments to achieve the UN SDGs. Harnessing the transformative effects of advanced technologies such as robotics, 3D printing, and virtual reality will enable key players in the private sector, the public sector, and civil society to identify concrete ways to shape factories of the future in meeting the UN SDGs.

2. Role of Government and the Global Financial

Community: New financial schemes for funding technological convergence and enabling the adoption of the Fourth Industrial Revolution (4IR) technologies in a wide variety of countries are expected to emerge in support of startups and R&D in areas such as robotics and nanotechnologies. To this end, the government's role should be limited to the establishment and promotion of progressive regulatory environments, while investment banks, venture capitalists, and institutional investors fuel, engage, and systematically support emerging technologies and future research and innovation.

3. Involving Less-Developed Regions: Although transformation of industrial processes is taking place all over the world, corporate and government leaders recognise that many regions remain completely disconnected from these global networks and the knowledge related to infrastructure, systems, and technologies. Engagement with less-developed regions in global value chains will enable them to optimise benefits from emerging production networks by localising the production of basic goods that are necessary for connectivity between the digital and operational worlds, and are increasingly becoming low cost.

4. Engaging Local Suppliers:

In the same vein, many global companies are indirectly participating in global value chains through their interactions with local suppliers (supporting qualification and production activities locally). These synergies will be instrumental in enhancing the performance of local economies in a global market.

5. Retraining the Workforce: We must be mindful of the ramifications of advanced technologies on employment, and we should offer the existing workforces training and reskilling opportunities. Economies need integrated vocational training and education packages which reflect future opportunities for young men and women.

6. Making Manufacturing Aspirational: The 4IR can help make manufacturing aspirational for today's youth across all nations, engaging them in new, exciting, and phenomenally different jobs and occupations, such as smart manufacturing and circular economies, that ultimately contribute to the UN SDGs.

7. Climate Action: Safeguarding the environment remains a priority for both businesses and policy-makers to ensure that any negative corollary effects resulting from industrial processes are minimised or mitigated (wherever possible). Existing technologies like smart grids, offshore wind, carbon capture, and sequestration technology, algae biofuel, geothermal energy, lithium-ion batteries, and concentrated solar voltaics can significantly reduce the world's emission footprint.

8. Smart Cities: New developments in urban transportation can accelerate the trend towards smart cities, because urbanisation will be

intricately linked to the global sustainability agenda. Future transportation systems can lead to the development of new technologies for cities, introducing dramatic improvements in urban planning and building standards that promote the efficient use of water and energy. A multi-stakeholder approach towards new urban development models will also expedite the pace of re-inventing and rethinking infrastructure design, development, and investment.

9. Standards: Clear, concise, and reliable international standards of technology interoperability, adoption, transfer and development are important to sustaining investments and minimising technological risks, whilst streamlining the global approach toward skills and capabilities development to help promote and accelerate knowledge transfer and fair trade.

10. Stakeholder Alignment: Bringing together key stakeholders – including different branches of governments, private companies, and academic institutions – offers an opportunity to modify existing paradigms that need to adapt quickly to emerging conditions in the future. Examples of such stakeholder collaboration include jointly taking on the responsibility for training our youth, modifying existing Intellectual Property laws, and protecting the environment.

The Way Forward

The Global Manufacturing and Industrialisation Summit (GMIS) offers a unique platform to discuss concrete global actions and strive for the development of joint manufacturing and industrial initiatives contributing to the achievement of the 2030 Agenda for Sustainable Development.

By supporting multi-stakeholder and multilateral debates, world leaders and decision makers will be encouraged to ensure a stronger commitment to partnerships at all levels and to align their business models with the United Nations Sustainable Development Goals (SDGs), including coherent and sustainable policies.

UNIDO, with its mandate to support inclusive and sustainable industrial development (ISID), supports the achievement of all SDGs - with a particular focus on SDG 9 which emphasises the necessity to “build resilient infrastructure, promote inclusive and sustainable Industrialisation and foster innovation” - and believes that a structural shift towards more innovation and technology-oriented industrial activities will significantly change the nature of competition, redefine work and redraw traditional industrial boundaries, as well as create new sources of value for people, firms and entire economies.

As such, the arrival of the Fourth Industrial Revolution promises considerable opportunities for inclusive and sustainable development and GMIS shall act as a catalyst for building and strengthening partnerships and mobilising resources with the objective of achieving sustainable development and prosperity for all.

In endorsing the 10 Consensus Points, the Summit's participants supported the importance and continuation of this unique Initiative which amplifies the role of manufacturing and paves the way towards a successful implementation of the SDGs.





GMISX is a dedicated exhibition platform to showcase leading manufacturing capabilities, as well as technologies that have revolutionised the manufacturing sector. GMISX also consists of a Startup & SME Exhibition (focused on Fourth Industrial Revolution solutions and technologies), an Innovation Circle (to showcase pilot projects), and an International Pavilion (for countries to demonstrate capabilities and investment opportunities).



From Concept to Reality: Industrialising Aerospace 3D Printing

Three of the biggest global players in industrial equipment manufacturing and aviation - Siemens AG, Strata Manufacturing PJSC and Etihad Airways - work together to develop the first 3D-printed parts for aircraft interiors in the Middle East and North Africa



Mubadala, Dubai Future Foundation & GE launch the region's first microfactories in the UAE



GMIS CONNECT is a global roadshow programme aimed at deepening relationships between three key constituents –government, industry, and civil society –through forums held in key global markets. GMIS Connect encompasses ongoing discussion on the latest trends, global challenges and transformational ideas that are shaping the future of the manufacturing sector.

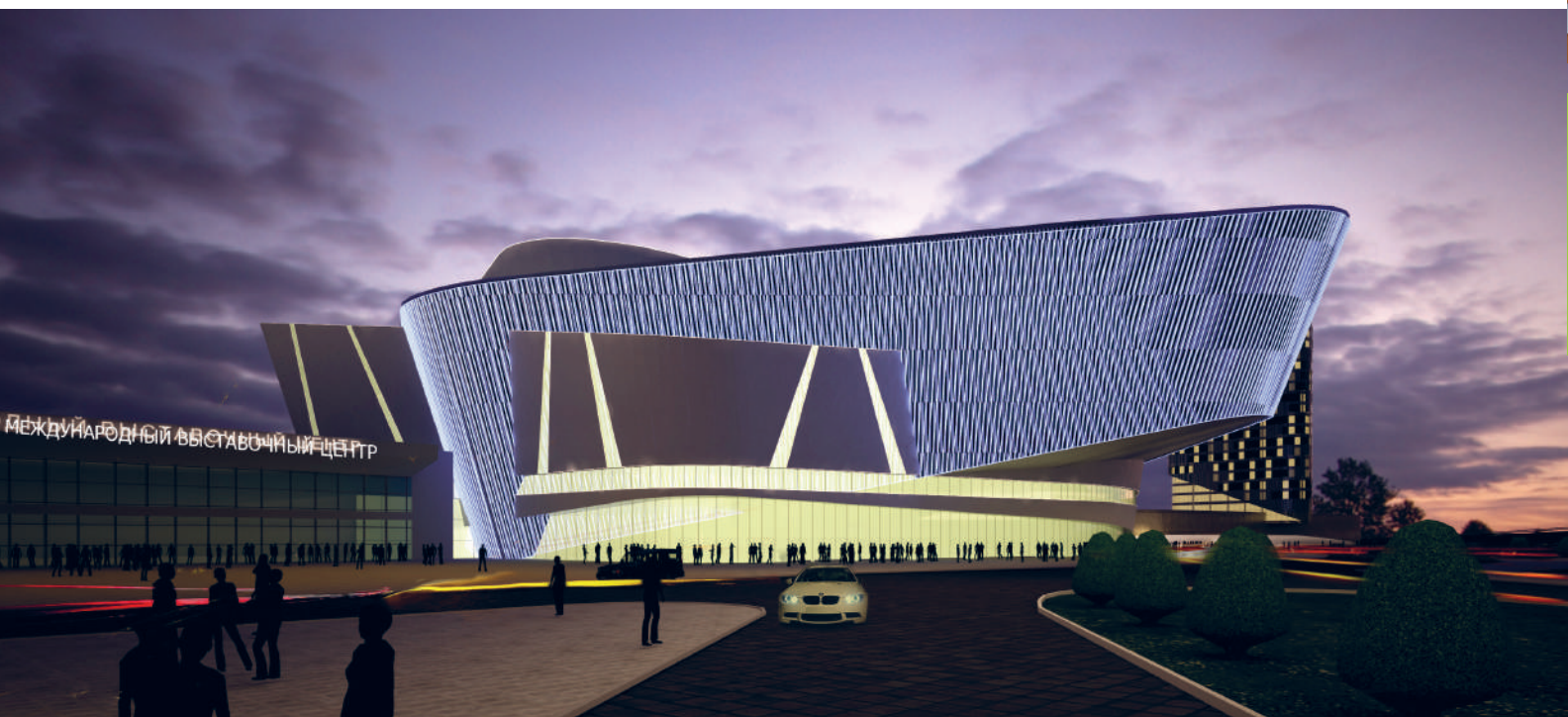




THE DESTINATION

Yekaterinburg, Russia

Yekaterinburg has long been established as one of the most important economic and administrative centres in Russia. Located on the picturesque Iset River east of the Ural Mountains, Russia's fourth-largest city has been referred to as 'the window to Asia' and has throughout history played a key role as an industrial powerhouse. In recent years, Yekaterinburg has undergone a period of significant growth and the city is well-positioned to capitalise on this opportunity to become a world-class manufacturing hub.



THE VENUE

Yekaterinburg-Expo International Exhibition Centre

In 2019, the Yekaterinburg-Expo International Exhibition Centre will unveil its new state-of-the-art congress complex featuring a 5,000 seating capacity conference theatre that includes press rooms, meeting facilities and dining halls. The Global Manufacturing and Industrialisation Summit will be the first event to be hosted in this interactive, high-tech venue that is located in close proximity to the region's largest airport and at the intersection of federal highways and railways, providing easy access for all visitors.

What to Expect at #GMIS2019



The President of the Russian Federation, Vladimir Putin, announced Russia has secured the rights to host the second edition of the Global Manufacturing and Industrialisation Summit in July 2019 during the plenary session at the St. Petersburg International Economic Forum (SPIEF), alongside the President of France Emmanuel Macron, Japan's Prime Minister Shinzo Abe, Vice President of the People's Republic of China Wang Qishan and IMF Managing Director Christine Lagarde.

Drawing on the ten key outcomes established at #GMIS2017, #GMIS2019 will intensify the impact of innovation and Fourth Industrial Revolution (4IR) technologies on the global manufacturing sector through the worldwide dissemination of knowledge, best practices, and standards. The Summit, which will be staged in conjunction with the 10th International Industrial Fair (INNOPROM), will once again bring together major global stakeholders to share their experiences and insights and will promote the development of a roadmap for the future of manufacturing across the world, with economic and social development at its core.



NATURE-INSPIRED TECHNOLOGIES

The theme of #GMIS2019 in Russia - one of the world's biggest manufacturing heartlands - will be 'nature-inspired technologies', otherwise known as biomimetic design and biomimicry. The science of mapping design challenges to the natural world to find innovative solutions has led to some of the world's most important inventions. By using nature to inspire manufacturing innovations, the Summit will promote strategies and designs to deliver solutions that achieve sustainable industrial development.



Humpback Whales & Wind Turbines

Humpback whales use their fins at different angles to increase their lift. Scientists discovered that a higher angle proficiency was beneficial for the whale to manoeuvre in tight circles. It led experts to create serrated-edge wind turbines that proved to be more efficient and quieter than the typical smooth blades.



Shark Skin & Fuel Saving

Examining the microscopic patterns of ventricles on the surface of sharks' skin allowed scientists to replicate the process to create a 'riblets' film which reduces drag and deters microorganisms (such as algae) attaching to the surface - a invention extremely useful to marine vessels and which had added environmental benefits.



Box Fish & The Bionic Car

Boxfish were discovered to have great structural strength and low mass resulting in low flow resistance and an extremely coefficient drag - this inspired the bionic car, which has reduced drag, greater rigidity, lower weight and fuel consumption than traditional cars.



Birds & Flight

Biomimicry is perhaps most famous in forms of human flight, with experts studying how birds soar inspiring how man could potentially fly. Eventually, the Wright brothers to successfully invent, build and fly the world's first successful airplane.



Kingfisher & The Shinkansen

The design of Japanese bullet trains are inspired by the Kingfisher, renowned for travelling between the mediums of air & water, with very little splash. The tip of the train is formatted with a long beak-shaped nose which reduces noise, electricity usage and increases speed.



Water Collation & Desert Beetles

The African Namibia Desert Beetle collects water by condensing fog into water droplets in the bumps on its shell. This inspired researchers to replicate this with glass and plastic - enabling them to collect minute amounts of water in addition to providing the groundwork for other applications such as building cooling devices.

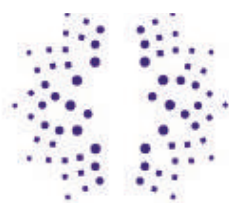


Velcro & Burrs

Velcro was invented after scientists noticed how easy it was for burrs to stick to dog's hair due to the simple design of tiny hooks at the end of the burr's spines. This replicated synthetically enabled experts to create velcro.



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makingprosperity.com
#AreYouThe1?



Mohammed Bin Rashid Initiative for Global Prosperity

a GMIS initiative

The Mohammed bin Rashid (MBR) Initiative for Global Prosperity unites the world's leading manufacturers, start-ups and entrepreneurs, governments, UN agencies and philanthropists, academia and researchers, to form a community dedicated to spreading global prosperity through the art of 'making'. The initiative specifically seeks to recognise noble and novel achievements that have positively contributed to the well-being of our world while fostering the values of resilience, community, harmony and dignity, while advancing one or more of the United Nations Sustainable Development Goals.



UNITED NATIONS
INDUSTRIAL DEVELOPMENT ORGANIZATION



FOR A BETTER URBAN FUTURE



UNHCR
The UN Refugee Agency



World Food Programme



Investing in rural people



The initiative combines the MBR Global Maker Challenge – an online open-innovation platform for 'makers' and innovators to solve specific real-world challenges, and the MBR Global Prosperity Award – a prestigious global accolade that recognises and rewards social innovation brought by manufacturing for the betterment of humanity.



#GMIS2019

Partnership Opportunities

Partnership with the Global Manufacturing and Industrialisation Summit grants high-profile exposure throughout the year and during the three day #GMIS2019 Summit. The partnership provides unparalleled positioning for organisations, invaluable networking and business development opportunities, and the advantage to engage with global leaders on the future of manufacturing.

For more information on partnership opportunities contact partners@gmisummit.com

Benefits	Foundation Partner	Strategic Partner	Industry Partner	Summit Partner
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Pre Summit Benefits

Pre-arranged meeting with VIP delegates	◆			
Exclusive pre-Summit interview with a Tier 1 media partner (Local & International)	◆			
Sponsor logo placement in major press releases prior to the Summit	◆	◆		
Access to the Summit delegates list	◆			
Dedicated press event announcing partnership	◆			
Dedicated press release announcing partnership	◆	◆	◆	◆
Participation in the International GMIS Roadshow	◆	◆	◆	◆
One (1) dedicated press release as part of the Summit's Global Campaign	◆			

Governance Participation

Industry Group membership	◆	◆	◆	
Opportunity to host a Working Group	◆			
Participation in Working Groups	Up to 4	Up to 3	Up to 2	1

Event-day Benefits

Opportunity to host a VIP Lunch on Summit days (approx 100 pax)	◆			
Opportunity to host a Breakfast Event or Networking Session (approx 50-100 pax)	◆	◆		
Summit passes, flights & accommodation	10 Passes	8 Passes	6 Passes	2 Passes
Invitations to the Summit Gala Dinner	10 Passes	8 Passes	6 Passes	2 Passes
Dedicated meeting room space	◆			
Reserved priority seating at the Opening Ceremony of the Summit	2 Passes	2 Passes	1 Pass	1 Pass
Exclusive interviews with Summit media partners (Local & International)	◆	◆	◆	◆
Opportunity to host a Technical Workshop or Masterclass	◆	◆	◆	
Participation in Media Roundtable	◆	◆		

Promotional Benefits

Exclusive insertion of business collateral into the delegate bag (limited to 1 item per sponsor)	◆	◆	◆	◆
Priority interviews with selected media agencies together with a Summit spokesperson	◆	◆		
One (1) exclusive branded e-shot to the Summit database	◆			
Advertisement insertion in the Summit official programme book	2 Pages	1 Page	Half-page	Quarter-page
Prominent recognition and acknowledgement in all of the Summit's collaterals which will include the on-site branding, marketing and advertising collaterals and/or billboards	◆	◆	◆	◆
Recognition in selected Summit publications, websites and social media platforms with hyperlinks	◆	◆	◆	◆
Collaborative opportunities and invitations to Summit programmes and events	◆	◆	◆	◆
Opportunities to distribute branded gifts to delegates and visitors	◆	◆	◆	◆

THE PARTNERS

Co-chair



UNITED ARAB EMIRATES
MINISTRY OF ENERGY & INDUSTRY

Co-chair



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Youth Partner



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