ISRAEL EXPORT INSTITUTE

Ministry of Economy and Industry
Foreign Trade Administration

The Future of Manufacturing ISRAEL - virtual expo

March 30, 2022

The Future of Manufacturing Israel will be showcasing Israeli companies with cutting-edge innovations in the field of Industry 4.0. The event will be held virtually and simultaneously all around the world on March 30th including B2B meetings, exhibition of Israeli companies and professional panels.
It will focus on Israeli solutions which can save production costs, prevent malfunctions, analyze data, enable a continuous activity in factories etc.

The event is business-oriented, initiated by the Israel Export Institute and Foreign Trade Administration at The Ministry of Economy and Industry. It aims to connect between disruptive Israeli start-up companies and international industry leaders and experts- to discuss collaborations and learn about what Israel has to offer.

Join us at live conference sessions and B2B meetings towards an advanced future of manufacturing.

COMPANIES BY CATEGORY

	Operations Optimization	Iot Platforms and Connectivity	Meintenance	Data Analytics	Robotics	3D Printing	Inspection and Testing	Sensing and Imaging	Smart Digital Factory	Wireless Solutions	Automated Wiring Systems	AI	Cyber Security
3D Signals	●	●											
Augury		●	●										
Castor													
CoreTigo		●				●							
DiagSense	●			●						●			
FeelIT			●										
Io Tech								●					

CoreTigo						●							
KIAMI									●				
KITOV Systems					●		●						
Matics	●	●											
MEA Testing Systems Ltd.							●	●					
Newsight Imaging							●	●					
Plataine	●	●											
POLYGON					●						●		
QualityLine				●			●						
ScadaFence													●
Seebo	●											●	
ShieldIOT				●									●
ShiraTech Solutions		●	●	●									
Siraj Technologies	●	●											
Sixdof Space								●					
TERAFENCE LTD													●
TRUNOVATE LTD	●	●											
VocalZoom	●							●					
Yoran Imaging	●			●									

PARTICIPATING COMPANIES

3dsignals.com

3dSignals

Seeking Investment

Manufacturing automation cloud

3d Signals helps manufacturers digitalize their machines to become an industry 4.0- factory of the future. Our solution generates visibility and actionable insights within hours, using a range of highly accurate, non-invasive sensors and a cloud-based Asset Performance Monitoring platform.

Main Target Industries: Automotive; Machinery and Heavy Equipment; Oil&Gas; Work Tools.

Operations Optimization

IoT Platforms & Connectivity

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augury.com

AUGURY

Seeking Investment

Machine Health Solution

Augury is building a world where people can always rely on the machines that matter. Augury supports its customers by enabling Digital Transformation through superior insights into the health and performance of the machines they use to make products, deliver services and improve lives.

Main Target Industries: Food & Beverage; Pharmaceutical and Life Science; Consumer Goods.

Maintenance

IoT Platforms & Connectivity

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3dcastor.com

CASTOR

Seeking Investment

Enabling manufacturers to automatically identify cost reduction opportunities, utilizing the benefits of 3D printing

CASTOR's proprietry software analyzes thousands of parts at once and recommends the suitable 3D printing technology and material for each part, while identifying cost reduction opportunities and suggesting geometry changes to the part's design. It estimates the cost and lead-time for each part and connects the manufacturer to a service bureau that can print and supply the part according to

3D Printing

requirements.

Main Target Industries: Automotive; Aerospace, Aviation and Defense; Machinery and Heavy Equipment.

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coretigo.com

Seeking Investment

High-performance IO-Link Wireless communication solutions

CoreTigo is unbinding the industrial space by providing high-performance IO-Link Wireless communication solutions for machine builders, system integrators and industrial equipment manufacturers.

CoreTigo™s products enable the design and retrofit of machines and production lines that were not possible before. These solutions increase flexibility, adaptivity and modularity, resulting in cost effectiveness, increased productivity and downtime reduction.

Embraced by industrial leaders, the IO-Link Wireless global standard, fit for harsh factory environments and motion control applications, provides cable-grade connectivity for millions of sensors, actuators and industrial devices worldwide.

Main Target Industries: Automotive; Food & Beverage; Machinery and Heavy Equipment; Consumer Goods.

Wireless Solutions

IoT Platforms & Connectivity

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diagsense.com

Seeking Investment

Diagsense - a Boutique AI House specializing in mechanical systems

Diagsense company delivers AI predictive maintenance algorithms and software, which benefit in a wide range of applications. The Predictive software can be deployed on a cloud, on-premise, on a dedicated computer, or be embedded inside the client products as an edge solution. We are working with Clients who maintain critical assets, Customers who can't tolerate working with a commercial solution.

Main Target Industries: Aerospace; Aviation and Defense; Food & Beverage; Machinery and Heavy Equipment; Oil & Gas.

Operations Optimization

Data Analytics

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feelit.tech

Seeking Investment

Transform the Way You Manage Your Critical Assets

Feelit is an Industry 4.0 company operating in the field of Predictive Maintenance. The Company has developed patented nanomaterials ink-based sensing technology, combining a printed sticker sensor and proprietary analytics, that can detect parameter changes and predict upcoming failures in industrial and process systems. The end-to-end agile, IIoT solutions can be scaled across a diversity of environments for sustainable manufacturing.

Main Target Industries: Automotive; Food & Beverage; Chemicals; Oil & Gas.

Maintenance

Sensing & Imaging

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i-o-tech.com

Seeking Investment

A laser assisted deposition method for any industrial material

Continuous Laser Assisted Deposition technology can deposit highly viscous materials on large areas. The technology is mesh-free, nozzle-free and contactless, meaning lower maintenance costs. As an additive manufacturing technology, it involves less material wastage, and enables new designs. Combining multiple steps into one station is less labour-intensive, and most importantly of all, it uses standard industry materials.

Main Target Industries: Automotive; Aerospace, Aviation and Defense; Electronics; Consumer Goods.

3D Printing

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kiami-solutions.com

Seeking Investment

Smart industrial troubleshooting, knowledge management, and maintenance software

Kiami's Smart Troubleshooting, Knowledge Management and Maintenance Management Software transforms the way maintenance, engineering and operation teams in industrial companies repair failures, collaborate knowledge and best practices across teams and sites and manage their technical and operational activities.

Smart Digital Factory

AI based expert system and knowledge management

Main Target Industries: Automotive; Electronics; Pharmaceutical and Life Science; Machinery and Heavy Equipment.

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kitov.ai

Seeking Investment

AI powered fully automated visual inspection smart solutions

Kitov Systems develops smart visual inspection solutions for a broad range of product lines and markets including high-end electronics, automotive, medical devices, defense and aerospace. Kitov Systems advanced technology assists manufacturers to leverage the Industry 4.0 revolution to drive smart manufacturing while dramatically improving quality, reducing manufacturing costs and rapidly introducing the Kitov Core Plus system and other new products.

Main Target Industries: Automotive; Electronics; Aerospace, Aviation and Defense; Plastics.

Inspection & Testing

Robotics

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matics.live

Seeking Investment

Real-time Operational Intelligence solution for manufacturing

Matics aims to digitalize the manufacturing industry and help organizations achieve optimal business readiness through real-time data that is transformed into insight. The Matics Real-Time Operational Intelligence (RtOI) solution fuses AI, ML, big data and manufacturing expertise to enable clients and partners to understand the state of their business in real-time, improve KPI's and streamline communication and event management.

Main Target Industries: Automotive; Food & Beverage; Plastics; Consumer Goods.

Operations Optimization

IoT Platforms & Connectivity

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meatesting.com

Seeking Investment

Solutions, instruments and simulations for the electric vehicle, aerospace, rail, micro, servo, gear and energy fields.

MEA supplies innovative solutions for combined HiL &/or Motor Testing. Testing includes MEA EV-RDS Four-Quadrant Operation/Braking together with unique dynamic capabilities using MEA-IDS Acceleration Dynamometer "worldwide patent solution". The simulation includes Real-time simulation of vehicle/driver – To accelerate / to brake / to change vehicle states. Real-time simulation environment with full real-time capabilities.

Main Target Industries: Automotive; Aerospace, Aviation and Defense; Machinery and Heavy Equipment.

Inspection & Testing

Sensing & Imaging

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nstimg.com

seeking Investment

Advanced sensing solutions for 3D Machine vision & Spectral analysis

Newsight develops advanced CMOS image sensor chips & solutions for two main business units: Machine vision and Spectral Analysis. Our 3D machine vision depth-camera sensors serve verticals in industries such as Automotive, Industry 4.0, Robotics and more. The company's enhanced Time of Flight patented technology and Multi-triangulation abilities allow unparalleled performance with less than 1% error rate. Newsight's second business unit, Spectral Analysis, provides affordable, portable, quality inspection using unique spectroscopy on-chip.

Main Target Industries: Automotive; Food & Beverage; Electronics; Pharmaceutical and Life Science.

Inspection & Testing

Sensing & Imaging

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plataine.com

Industrial IoT and AI-based optimization solutions for Advanced Manufacturing

Plataine's intelligent, connected Digital Assistants take manufacturing to the next level by automating and optimizing decision flows on the production floor. Combining state-of-the-art AI with extensive manufacturing knowledge, Plataine cloud-based solutions continually assess current status and predict future events on the production floor, to provide actionable insights, alerts and recommendations, empowering production management and staff to make optimized decisions in real-time, every time.

Main Target Industries: Automotive; AeroSpace, Aviation and Defense; Machinery and Heavy Equipment.

Operations Optimization

IoT Platforms & Connectivity

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polygon-technologies.com

POLYGON Technologies

Seeking Investment

Developing a technology to provide the touch & feel capabilities of robotics

Polygon is a leading robotic engineering house in Israel, that develops state of the art robotic products and technologies as well as provides robotics solutions to various industries.
Recently Polygon developed unique robotic solutions for electrical wiring of panels & devices.

Main Target Industries: Automotive; Electronics; Metals; Machinery and Heavy Equipment.

Automated wiring systems

Robotics

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quality-line.com

QualityLine

Seeking Investment

AI manufacturing Analytics and automated data integration that maximizes manufacturing efficiency and product quality

QualityLine provides AI Analytics and automated data integration of any data type from any source at any location to create an end-to-end control system. Data sources from multiple global locations are harmonized and analyzed in real time, creating end-to-end control and improving quality and efficiency by 30% within the first six months of use. More than 1500 production lines worldwide with countless different data sources have been processed by QualityLine technology. The solution has provided significant value with a quick return on investment.

Main Target Industries: Automotive; Aerospace, Aviation and Defense; Electronics; Consumer Goods.

Inspection & Testing

Data Analytics

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scadafence.com

SCADAfence

Seeking Investment

OT & IIoT Cyber Security For Critical Infrastructure & Enterprises

SCADAfence offers a full suite of industrial cybersecurity products that provides full coverage of large-scale networks, offering best-in-class network monitoring, asset-discovery, governance, remote access and IoT device security. SCADAfence delivers proactive security and visibility to some of the world's most complex OT networks, including the largest manufacturing facility in Europe. SCADAfence enables organizations in manufacturing and critical infrastructure to operate securely and efficiently.

Main Target Industries: Automotive; Food&Beverage; Pharmaceutical and Life Science; Oil&Gas.

Cyber Security

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seebo.com

seebo

Enabling manufacturers to increase efficiency in areas including quality, yield, waste & energy, using AI

Seebo enables manufacturers to unlock the full potential of their production processes - maximizing efficiency and reducing losses in areas such as waste, quality, throughput, energy efficiency, yield, and emissions.
The Seebo solution delivers clear recommendations to manufacturers - including the optimal process set-points and ranges, along with real-time alerts to prevent inefficiencies and production losses before they happen.
Seebo is used by leading manufacturers including Nestle, Mondelez, ArcelorMittal, GKN and Pepsico.

Main Target Industries: Food & Beverage; Metals; Chemicals.

Operations Optimization

Industry 4.0, Artificial Intelligence

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shieldiot.io

Shield-IoT

Seeking Investment

Monitor and Secure Mass Scale IoT/IIoT Networks

Shield-IoT provides real-time cyber security and data analytics digital transformation software solutions, enabling industry 4.0 service providers and machine builders to monitor and secure mass scale B2B IoT/IIoT networks, offer new cloud services, reduce operational costs and generate new revenue streams.
Shield-IoT patented technology delivers the world's first coreset-AI anomaly detection solution to enable accurate analytics at mass scale.

Main Target Industries: Automotive; Aerospace; Aviation and Defense; Machinery and Heavy Equipment; Mining.

Cyber Security

Data Analytics

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knowtion.de/en/welcome/

Seeking Investment

AI-based predictive maintenance and condition monitoring technologies
ShiraTech Knowtion specializes in AI-based predictive maintenance and condition monitoring technologies. We combine extensive sensor-driven data monitoring with multi-layered artificial intelligence to ensure your equipment operates continuously with maximum efficiency and minimal cost.

Main Target Industries: Food & Beverage; Electronics; Machinery and Heavy Equipment; Chemicals.

Maintenance

IoT Platforms & Connectivity

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sirajtechnologies.com

Seeking Investment

Automating device connectivity to the cloud
Siraj™s solution is the Automatic Connectivity Generator (ACG) that aims to get industrial edge devices connected to the customers™ platform of choice securely, efficiently, and cost effectively. The ACG enables fast edge devices onboarding, based on this solution Siraj can connect any number of any device to any platform.

Main Target Industries: Metals; Plastics; Oil & Gas.

Operations Optimization

IoT Platforms & Connectivity

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sixdof.space

Seeking Investment

High-speed optical tracking
Sixdof created an optical solution offering breakthroughs in latency, accuracy & power. Our patent pending technology leverages visible or IR light to serve as location beacons, reporting accurate position at a high speed. Applications: aerospace, defense, industrial AR, entertainment, logistics, construction, medical.

Main Target Industries: Automotive; Aerospace, Aviation and Defense; Machinery and Heavy Equipment; Medical robotics.

Operations Optimization

Sensing & Imaging

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terafence.com

Seeking Investment

Turning network's cybersecurity connectivity into business enabler
Terafence manufactures based-hardware cyber security solutions for LAN IoT and IIoT devices. Terafence's FPGA Air-Gap technology DFC (Data Flow Controller) isolates networked devices from Cyber Attacks. Terafence DFC is a pure hardware solution with no CPU/OS or IP/MAC address, thus totally impervious to breaching attempts. Terafence solution enables industrialists to adopt Industry 4.0 by securely converging OT-IT networks. Only designated data flows through, our DFC maintains total isolation of OT network. Total security via Air-Gap.

Main Target Industries: Aerospace, Aviation and Defense; Food & Beverage; Pharmaceutical and Life Science; Oil & Gas.

Cyber Security

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trunovate.com

Innovative supplier of MES/IIoT solutions
Trunovate incorporates decades of manufacturing, hardware, software and planning expertise. Our mission is to fully optimized and automated production efficiency. We streamline each part of the manufacturing process using automated, secure, software that tackles the industry's strongest pain points. PlantSharp, our best-of-breed Industry 4.0 MES platform, brings the transparency, responsiveness and insights needed for the highest levels of ROI.

Main Target Industries: Food & Beverage; Pharmaceutical and Life Science; Plastics; Consumer Goods.

Operations Optimization

IoT Platforms & Connectivity

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vocalzoom.com

Seeking Investment

Autonomous Sensors to guarantee yield and performance in Smart Factories
Long-established, traditional factories face a long, complex transition process as they evolve into Smart Factories. Plant managers need a way to begin this process of modernization; we provide them with our all-in-one, multi-purpose Autonomous Sensors - that can be mounted anywhere throughout the facility to collect production data, analyze it instantly, and provide operational and technical insights for quickly correcting and streamlining production processes. All in one box. Onboard analytics and wireless communications mean that each A-Sensor provides real-time alerts before a faulty production line process creates waste for the scrap heap. Requiring minimal training, this plug-play.

Operations Optimization

Sensing&Imaging

Main Target Industries: Automotive; Food & Beverage; Electronics;Metals.

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yoran-imaging.com

Seeking Investment

We create data Where there is no data

Our solution (PAM Packaging Analytical Monitoring) combines thermal imaging technology with advanced real time algorithms to provide 100% in-line monitoring of sealing process.

PAM is 100% in-line inspection system for heat sealed packages that is non-intrusive and does not result in production slowdown.

Operations Optimization

Data Analytics

Main Target Industries: Food & Beverage;Pharmaceutical and Life Science; Cosmetics.

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