CONSTRUCTION INNOVATION AND TECHNOLOGY APPLICATION CENTRE

CITAC (Construction Innovation and Technology Application Centre) was established in 2017 by the Construction Industry Council. Its main function is to collect, showcase and promote the latest local and overseas construction innovation and technologies for application in the local construction industry.

CITAC also aims to improve the productivity of small and medium sized enterprises with education and adoption of innovative construction methods and technologies.

THE ECONOMIC AND COMMERCIAL MISSION AT THE CONSULATE GENERAL OF ISRAEL IN HONG KONG

The Economic and Commercial Mission at the Consulate General of Israel in Hong Kong focuses on the promotion of trade and investments, assist Hong Kong and Israeli companies in creating business opportunities and long-lasting commercial relations. The Mission accompanies and supports Israeli exporters in their activities in Hong Kong, promotes investments in Israel and stimulates strategic cooperation between partners from both countries.

ABOUT THE CONFERENCE

Co-organised by CITAC and the Consulate General of Israel in Hong Kong, the conference aims at connecting Israel companies with cutting edge innovations in the construction tech domain with industry stakeholders in Hong Kong. Developers and other project clients, consultants, contractors & subcontractors, innovation leaders, investors, venture capitals and relevant technology distributors are all welcome to take part in this conference.

For further information, please contact us directly:

Mr. Wan Kai Hong
Manager,
Construction Innovation and Technology Application Centre
Construction Industry Council
Email: hongwan@cic.hk

Ms. Natalie Cheung
Senior Officer,
Construction Innovation and Technology Application Centre
Construction Industry Council
Email: nataliecheung@cic.hk

Mr. Yoav Haimi
Commercial Consul,
Head of Economic and Commercial Mission
Consulate General of Israel in Hong Kong
Email: yoav.haimi@israeltrade.gov.il

Ms. Ellen Lam
Senior Commercial Officer,
Economic and Commercial Mission
Consulate General of Israel in Hong Kong
Email: ellen.lam@israeltrade.gov.il

CONTECH
www.contech.me

A unique ecosystem making Israel a global leading construction tech and proptech hub

Zachi Flatto
CEO

About Zachi

Zachi has 20 years of diverse experience in civil engineering, construction and mapping technologies. Zachi was the Co-Founder and lead entrepreneur in Parklife, a startup specializing in predictive navigation technology in the automotive industry. He also served as VP Sales and Business Development at Top Ramdor (TASE, project management platform) and held different management roles in Autodesk distribution channels.

Zachi holds a B.S in Civil engineering from the Technion (Haifa) and M.S in Geography (GIS program) from TAU (Tel Aviv University).

About ConTech

With Israeli technologies, government support, and the spirit of Israeli entrepreneurship, ConTech builds a unique ecosystem, making Israel a leading global Construction-Tech hub. The ConTech ecosystem includes startups, companies from all sectors of the construction industry, contractors, software companies, regulatory bodies, policy makers and investors.

The ConTech activities are aimed to grow the construction-tech startup ecosystem, while facilitating business connections between startups and industry players in Israel and abroad.

ConTech is a joint initiative with Israel's Ministry of Construction and Housing, Ministry of Economy and Industry, and the Israel Builders Association.

BUILDOTS
www.buildots.com

Digitising construction process management

Gal Leibovici
VP Business Operations

COMPANY PROFILE

Buildots was established in 2018, has grown from 3 to 40 employees incorporated a UK subsidiary, filed 5 patents within 2 years.

Bringing together AI and wearable hardware, Buildots technology creates seamless construction process visibility and fully digitalization of construction workflows.

TECHNOLOGY & PRODUCT

The Buildots platform uses computer vision to help collect, analyze, and consume progress data on construction projects.

The platform leverages the capacity of a simple 360° hard hat mounted cameras to capture data and uses proprietary AI software to compare reality against original plans and schedules. The data created is delivered to the site team using web application. Through providing tools for activity tracking, cost management, error detection and correction, management of loose ends and more, Buildots technology is able to significantly increase the overall efficiency in construction projects.

AWARDS

- Awarded support by the Israeli Innovation Authority in 2019 & 2020

PROJECTS

- Commercially deployed on a few of Europe's top 10 construction companies

LOOKING FOR

- Investors
- Partners
- Customers

CEMENTO

www.cemento.ai

The first exclusive SaaS tool for the construction of urban projects with multiple units

▶ **Click & watch the video!**

Dov Litmanovitz
CEO

💼 COMPANY PROFILE

Founded in 2016, Cemento (a Techstars company) grew dramatically in the past year.

Utilizing military technology, Cemento enables contractors to build higher quality buildings more efficiently.

📄 PROJECTS

- **Serving thousands of buildings built by tier-1 contractors in North America and Israel.**
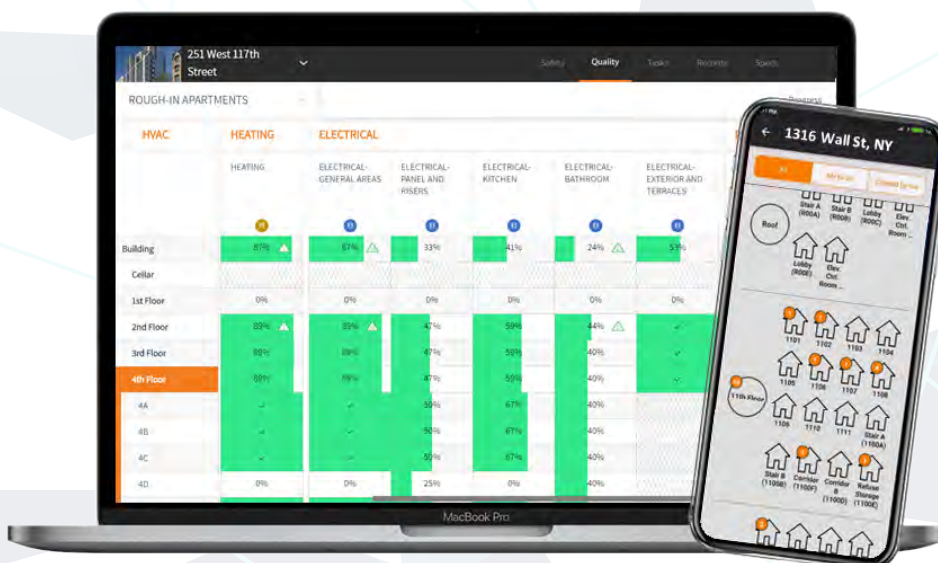
🔍 LOOKING FOR

- **Distributors**
- **Customers**

📦 TECHNOLOGY & PRODUCT

Cemento has developed revolutionary engines that allow customers to model their standards, processes and regulations into the tool. By using business intelligence based on millions of data points, Cemento allows customers to react fast and make smarter decisions.

The system connects all stakeholders, including subcontractors and consultants and systematically provides the relevant stakeholder the information he needs in the right place and time. Cemento provides an extremely intuitive application to the field workers, with strict workflow they need to follow. This app always works, even when offline. And last, Cemento collects a lot of data, and provide management with business intelligence required to make sure their quality, schedule and budget are aligned with their plans.

Quality Control

Tasks & issues

Progress tracking

Specs

Safety

Daily log

CIV ROBOTICS

www.civrobotics.com

Autonomous marking systems for the construction industry

Click & watch the video!

Liav Muler
CPO

COMPANY PROFILE

Civ Robotics (formerly Civdrone) was established in 2018. Civ Robotics develops unmanned systems with marking capabilities for surveying purposes with emphasis on civil engineer projects such as solar farms and roads. Civ Robotics has drilling stakes with a drone and laying out points and lines with the spray painting ground rover.

Currently, two patents are pending approval.

AWARDS

- Entered GeniusNY, an unmanned acceleration program in New York including $500K investment.
- Received a grant from European Horizon 2020 as part of SME phase 1. Click here
- Publications in drone and robotic magazines.

PROJECTS

- Israel: Shikun and Binui, the largest contractor in Israel
- USA: 3 heavily civil general contractors deployed the system in solar farms, roads and data centres
- USA: 6 paid customers under NDA

LOOKING FOR

- Investors
- Distributors
- Customers

TECHNOLOGY & PRODUCT

Civ Robotics has developed robotic marking mechanisms with mm level precision which it mounts on autonomous air and ground platforms. The navigation slack software ensures that the unmanned system reaches the desired accuracy in a close proximity and from that point on the marking mechanism takes control and conducts the markings while taking into account all parameters. The drone drills stakes into soils, even into roads.

GOARC
www.go-arc.com

Connected safety platform protecting workers and critical assets in real time

Haim Srur
Co-Founder & COO

COMPANY PROFILE

Founded in 2015 by behavioral, safety, industry, and technology experts.

GOARC is revolutionizing the practice of industrial safety for the era of Industry 4.0. The Safety 4.0® platform uses artificial intelligence and other advanced technologies to gather unprecedented levels of real-time operational data to identify patterns of risk and generate actionable intelligence and new safety routines that mitigate industrial accidents.

GOARC is privately funded and headquartered in Motza Illit, Israel, with offices in California, Texas, and Singapore.

PROJECTS

- Israel: local projects, e.g. ICL
- Singapore: Keppel Corporation
- USA Texas: Delek US

TECHNOLOGY & PRODUCT

The GOARC SaaS platform aggregates data from throughout the factory and breaks down conventional silos of knowledge and data by analyzing field safety reports from safe-connected workers and data from ERP systems, OT, and IoT sensors. The Safety 4.0® platform then analyzes the worker tasks based on our unique risk model that includes location, time-of-day, weather, tools, materials, and more to generate a personalized safety routine that guides the performance of tasks.
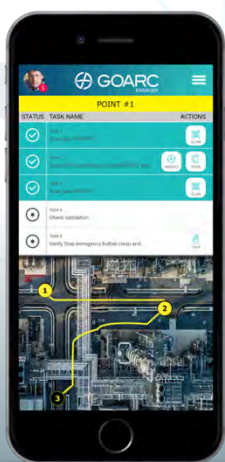
AWARDS

- One of the Top 100 Europe Winners, Red Herring 2019
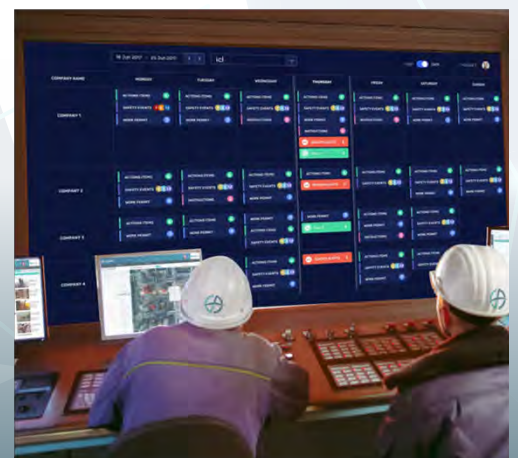
LOOKING FOR

- Partners
- Customers

GOARC SAFETY PLATFORM

Mobile Application
(iOS & Android)

CMS – Content Management System
(Web-Based Portal)

Command Center Monitor
(Web-Based)

IS

INTSITE
www.intsite.ai

Enhancing safety and efficiency of heavy machinery with AI-powered automation

▶ **Click & watch the video!**

Tzach Ram-on
Co-Founder & CEO

💼 COMPANY PROFILE

Founded in 2018, in Haifa, Israel, INTSITE boasts a team of exceptional algorithm developers, industry experts, and specialists from various technological fields. Originally developed as a guidance system and smart dashboard for construction cranes, INTSITE's technology has rapidly expanded to mining industry, where the experience of suboptimal mid-size excavators create similar challenges to both efficiency and profitability.

Achievements: $1.35m pre-seed round, $2.2m in revenues, members of ISO & CEN standardizations committees

Patents: 5 patent-pending

🏅 AWARDS

- Horizon 2020 phase 1 and 2 Seal of Excellence;
- Finalist in the RobotUnion EU competition **Click here**;
- Winner of a competition conducted by Komatsu.

📄 PROJECTS

- Huge name companies: 1 huge Asian based OEM, 1 huge global energy company
- Tokyo: Construction site with one of the Top-3 GCs
- EU: Construction site with one of the Top-3 GCs
- Israel: Construction site with one of the Top-3 GCs

🔍 LOOKING FOR

- Investors
- Partners
- Customers

📦 TECHNOLOGY & PRODUCT

INTSITE employs AI and Deep Learning to optimize and automate the machinery at the center of a worksite, transforming the performance of industries focused on heavy machinery, amongst construction & mining.

OKIBO

okibo.com

Building autonomous wall finish robots for construction sites

Guy German
CEO

Click & watch the video!

COMPANY PROFILE

Okibo, an Israeli startup founded in 2018, is developing a robotic platform capable of moving freely inside construction sites while automating a wide range of tasks. The first robotic applications are drywall finish tasks: joints taping, plastering, sanding and painting. All performed fully autonomously with an industrial grade robotic accuracy.

The company developed and registered a patent on a novel 3D perception method with millimetric accuracy for large indoor spaces. The company has already deployed it's solution in several construction sites in Israel and has engaged with some of the leading GCs in the world. Okibo is expected to start pilots in Europe by Feb 2021 and sell its solutions worldwide by the end of 2021.

AWARDS

- Finalists of the "Builtworld" 2019 Contest in Frankfurt (screened out of 1600 companies)
- "50 Most Promising Startups in the Construction Ecosystem of 2019", chosen by Cemex
- Selected participant in season 2 of the Lafargeholcim acceleration program (12 companies from 7 countries were selected out of 300 applicants)

PROJECTS

- Israel: local projects, including pilot project with contractor Ken Hator **Click here**
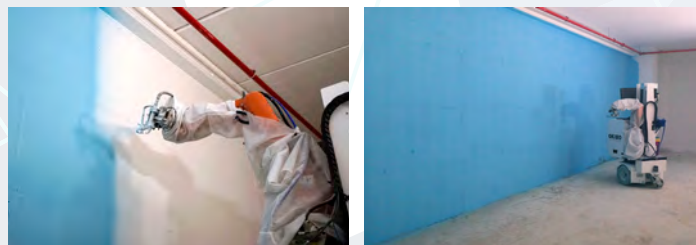
LOOKING FOR

- **Investors**
- **Distributors**
- **Partners**
- **Customers**

TECHNOLOGY & PRODUCT

In order to control a mobile manipulator robot autonomously in a non sterile environment Okibo had to come up with a novel way to achieve accurate 3D perception of indoor environments. No existing solution in the market allows real-time segmented model information of surfaces.

Okibo has developed a (patented) algorithm that allows a robot to 3D scan and model indoor areas, fully autonomously, without any prior information or pre-fixed waypoints.

SAFEGUARD

Delivering real-time insights to prevent worker safety incidents in construction sites

Click & watch the video!

Izhak Paz
CEO

COMPANY PROFILE

Safeguard was established in 2015. It was ranked top 5 most innovative companies in 2019 in the construction and project management area worldwide.

Safeguard is the leading safety-management platform for the construction and infrastructure sectors.

Safeguard's technology is the only one in the world that combines the 5M factors. The safety platform is focused on obtaining all safety-relevant data from users, sensors and artificial intelligence-based devices. Moreover, the solution's AI technology analyzes data in real time, quantifying safety indicators and delivering control to decision makers at all levels, regardless of project complexity or country regulations.

AWARDS

• Top 5 finalists, Construction Innovation Contest, BuildWorld Innovation Forum 2020

PROJECTS

• Deployed in 11 countries in three continents
• Used by hundreds of construction and infrastructure projects

TECHNOLOGY & PRODUCT

HRGUARD is an end-to-end solution that features facial recognition technology, behavioral analytics and a smart dashboard that provides 360-degree visibility into site workers and resources. Rapidly and nonintrusively identifying people with access authorization to a site, HRGUARD helps mitigate risks across a variety of facilities.

You can manage workers' digital files on the cloud, including certifications, work history, safety violations, and coordinate between sites from a central system. Combined with the AI capabilities, HR-GUARD allows you to prevent unwanted visitors, protect against spoof attempts, and out of hours visits, while alerting you in real time.

LOOKING FOR

• **Distributors**
• **Partners**

Be Safe
Safeguard.
Safety Redefined