# Quantum Hub Deal Flow - January 2022

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|---|---|---|---|---|---|---|---|---|---|
| | | | **Industry 4.0** | | | | | | |
| 1 | Precognize | Predictive Analytics for the Process Industry | Precognize is an industrial IoT software company that seeks to facilitate zero unplanned downtime. Precognize's cloud-based big data software solution predicts shutdowns, leakages, and inefficient operation of complex industrial systems via deep analysis of existing data.<br><br>The company is focused on the petrochemical, chemical, electricity generation, metallurgy, and oil and gas industries. Precognize can work with any type of equipment. | Industry 4.0 | Public | Released | 2011 | https://www.precog.co/ | VDL |
| 2 | ArmourSense | Real-time Safety Solution for Industrial Facilities | ArmourSense is a safety solution for industrial sites. The company identifies safety hazards and acts in real time to prevent them from becoming accidents.<br><br>Using video analysis, ArmourSense predicts dangerous interactions between humans and machines in factories and logistics centers.<br><br>The company's solution continuously inspects facilities and prevents accidents and safety hazards, such as workers being struck by vehicles, getting caught in machines, and failing to wear protective equipment. | Industry 4.0 | Seed | Beta | 2021 | https://www.armoursense.com/ | Hyundai, Taavura, Tadiran |
| 3 | Soltell Systems | Industrial IoT-powered Automation for Management of Solar PV Energy Facilities | Soltell Systems is the developer of an industrial IoT-powered automation technology designed to optimize the operation and management of commercial and residential solar photovoltaic (PV) clusters.<br>By utilizing advanced data-driven process automation, proprietary sensorless weather measurement technology (SWMT), and predictive maintenance capabilities, Soltell is facilitating the transition to resilient distributed solar energy generation in urban environments with maximum energy yields.<br>Soltell provides its SSMP operational platform as a white-label monitoring portal to solar integrators, as a powerful O&M supervision tool to regional authorities, and to commercial rooftop PV fleet managers. | Industry 4.0, Energy | Pre-seed | Released | 2019 | https://www.soltell.com/ | Taavura, Tadiran, VDL |

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| 4 | Clarion | Industrial Pollutant Removal Solutions | Clairion is a cleantech startup specializing in innovative solutions for the removal of pollutants from industrial flue gas streams using novel patented technology developed by experts in green chemistry.<br><br>The company's solutions include C-HgR for removing mercury (Hg), and C-MPR, a multiple-pollutant removal solution for removing NOx, SOx, Hg, and other pollutants and transforming them into useful products. Both solutions utilize novel liquid-based absorption and separation processes.<br><br>Clairion's absorbing liquid is implemented in a wet scrubber in which the liquid comes in contact with the flue gas. Pollutants are simultaneously separated from the gas and absorbed by the liquid. In a parallel selective separation process, the pollutants are then extracted for use as products with commercial value and the liquid is fully regenerated and reused. | Industry 4.0, Energy | Seed | Beta | 2015 | https://clairion.com/ | Hyundai, Taavura, Tadiran, VDL |
| | | | **Mobility & Automotive** | | | | | | |
| 5 | GreenQ | Optimization and Monitoring of Waste Collection | GreenQ offers a connected garbage-collection platform for municipalities. The company's technology optimizes garbage collection by showing trash companies their trucks' location history as well as the capacity of residents' trash cans. Its smart waste management services are designed to meet the needs of municipalities, haulers, and system integrators. | Mobility & Automotive | Pre-seed | Released | 2015 | https://greenq.gq/ | Hyundai, Taavura, עבודות עפר |
| 6 | Bright Way Vision | Automotive Camera System | BrightWay is developing an advanced night-time system for forward-facing driver assistance functions, based on an active gated-imaging technology named BrightEye. BrightEye offers all the benefits of a rich, natural and intuitive imagery, even during harsh weather, with real-time sophisticated computer-vision features. BrightEye functions as a stand-alone night-time driving solution or as an integrated solution with existing Advanced Driver Assistance Systems (ADAS) day-time technology | Mobility & Automotive | B | Released | 2011 | www.brightwayvision.com | Kia / Talcar, Taavura, VDL |

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| **Logistic** | | | | | | | | | |
| 7 | shiftorganizer | Employee shifts software | ShiftOrganizer Ltd, provides products in the field of employee shifts and information about sales and special occasions | Logistic | Revenues | Released | 2015 | https://www.shiftorganizer.com/ | Laufer, Taavura |
| 8 | Elssway | Energy transfer and wireless charging | Energy transfer and wireless charging for logistics robots | Logistic, Energy | Bootstrap | R&D | 2020 | - | Taavura, Tadiran, VDL |
| 9 | Mishmarot | employee shifts software | Workforce optimization and automated employees shift management solutions. With personalized features and modules, you can generate optimal staff scheduling and accurate reporting instantly. | Logistic, Enterprise software | Revenues | Released | 2009 | https://mishmarot.com/ | Laufer, Taavura |
| **Infrastructure** | | | | | | | | | |
| 10 | Okibo | Smart Robotics for Construction Sites | Okibo is developing mobile, multi-purpose, and autonomous robots for use in construction sites. The company's first product is a robot for wall rendering that can be used to simplify and reduce the costs of wall isolation. Okibo's robots sit atop a highly mobile platform and use advanced computer vision, laser detectors, geo-positioning, and inertial motion sensors to operate and assimilate into any construction site. | Infrastructure | Seed | Beta | 2018 | https://okibo.com/ | Hyundai, VDL |
| 11 | LIGHTYX | Blueprint Communication Solution for Construction Sites | LightYX has developed the APR, a patented technology to visually communicate blueprints to workers in the field. The solution integrates into workers' existing workflow with no changes required, making 3D plans easier to read and implement. | Infrastructure | Seed | Beta | 2018 | https://www.lightyx.com/ | Hyundai, VDL |
| 12 | ECOncrete | Concrete for Ecologically Active Infrastructures | ECOncrete develops sustainable concrete for constructing ecologically active infrastructures in coastal and marine environments as well as in urban landscapes. The company adapts the concrete to the environment's particular fauna and flora, and its biological traits encourage biogenic buildup. | Infrastructure | A | Released | 2012 | https://econcretetech.com/ | Hyundai, VDL |

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| 13 | Datumate | Construction Data Analytics Platform | Datumate is the developer of DatuBIM, an automated software-as-a-service cloud platform designed and built for infrastructure construction projects. It enables construction companies to monitor project progress, ensure quality, and control budgets based on actionable project execution metrics extracted from field data. | Infrastructure | C | Released | 2012 | https://www.datumate.com | Hyundai, Taavura, VDL |
| 14 | Airobotics | Automated Drone Platform for Industrial Facilities | Airobotics is the developer of a pilotless drone solution by collecting aerial data and gaining valuable insights. The company address the needs of complex industrial environments, including mining, seaports, and oil and gas. | Infrastructure | C | Released | 2014 | www.airoboticsdrones.com | Hyundai, Taavura, VDL, עבודות עפר |
| 15 | Vhive | Creating digital twins of field assets using autonomous drone | vHive's core technology is based on artificial intelligence and advanced algorithms that enable create digital twins of construction sites. The fully autonomous multi-drone technology captures all required field data in a short time period. | Infrastructure, Logistic | A | Released | 2016 | http://www.vhive.ai | Hyundai, VDL |
| **Other** | | | | | | | | | |
| 16 | Plastic Back | Converting Plastic Waste into Crude Oil | Plastic Back has developed an environmentally friendly technology for converting plastic waste back into crude oil and other valuable chemicals. Based on this technology, Plastic Back has created a conversion unit that enables waste treatment and disposal sites to reduce the amount of waste put in landfills. The company's solution also provides waste producers such as factories, agriculture operations, and hospitals with an alternative to costly waste removal and treatment services.<br><br>Additional benefits of Plastic Back's solution include operation at room temperature, treatment of all plastic types with minimal need for presorting, small unit size, and reduction or elimination of greenhouse gas emissions through chemical conversion into valuable hydrocarbons during the process. | AgriFoodTech, Industry 4.0, Energy | Pre-seed | R&D | 2020 | https://www.plastic-back.com/ | Taavura, VDL |

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| 17 | Voiceitt | Voice Recognition Technology for Non-standard Speech | Voiceitt is a software company that has developed automatic speech recognition (ASR) technology for non-standard speech.is a mobile app that enables people with atypical speech patterns associated with disability, aging, or heavy accents to access mainstream voice-activated devices, such as Google Home and Amazon Echo, and to communicate and be understood verbally. | Communication, HealthTech, Mobility & Automotive | A | Released | 2012 | http://www.voiceitt.com | Hyundai, Tadiran, Tikshoov, VDL |
| 18 | Biobeat | Wearable Vital Sign Monitor | Biobeat provides wearable remote patient monitoring solutions for the healthcare continuum. The company's AI-driven remote patient monitoring platform includes a disposable short-term chest monitor and a long-term wrist monitor. Both monitors utilize a PPG sensor to continuously provide accurate readings of 15 health parameters, including cuffless blood pressure, pulse rate, respiratory rate, blood oxygen saturation, temperature, stroke volume, cardiac output, one-lead ECG (chest monitor only), and more. | HealthTech | A | Released | 2016 | http://www.bio-beat.com/ | VDL |
| 19 | SHUPPERZ | P2P Ecommerce Platform | SHUPPERZ is a platform for connecting shoppers from all over the world enabling them to interact, inspire, share content and shop for one another. Online shoppers connect with local shoppers and stores that shop for them 'in-market' and send the items to their homes. We are soothing online shopping pains such as accessibility, trust, exploration difficulties, impersonal service, etc., by providing end-to-end logistics and technical solutions with a personal touch. | Other | Seed | Beta | 2016 | www.shupperz.com | WallaShops |
| 20 | Cecilia.ai | Interactive and Robotic Bartender | Cecilia. ai is an interactive bartender that can be customized for any event or business. Powered by conversational AI and voice recognition abilities, Cecilia makes cocktails crafted by acclaimed mixologists, chats with customers, promotes users' brands, and provides an experience to new and returning visitors. | Other | Bootstrap | MVP | 2018 | https://cecilia.ai | VDL |