

INTRODUCING AYYEKA

THE COMPANY

Ayyeka is an Industrial Internet of Things (IIoT) technology company that develops all-in-one remote monitoring solutions.

Ayyeka's low-power, cybersecure data collection kits enable the creation of affordable plug-and-play smart infrastructure networks. The kits are used in the water and wastewater, waste management, transportation, energy and environmental sectors.

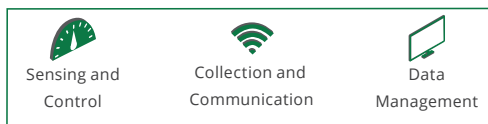
Ayyeka's technology is used in installations around the world including sites operated by utilities, municipalities, research institutions, and industry. The company has projects across the United States, in Europe, the Middle East, and Australia.

Ayyeka's solutions include the Wavelet hardware device which collects and transmits monitored data. The Wavelet is preconfigured to autonomously operate best-of-breed sensors to enable the creation of smart networks. Data is transmitted to a private cloud server, accessible through Ayyeka's web-based data management system. Data-as-a-Service (DaaS) and third party integrations are also available via an Application Programming Interface.

INDUSTRIAL INTERNET OF THINGS

Over 50 billion devices will be connected through IoT networks by 2020. The information provided to customers from these devices will transcend industries, create unprecedented scope for automation, and enable novel applications such as smart infrastructure, smart grids, and smart cities. The benefits of building smart infrastructure include enhanced operation, cost reduction, decreased resource consumption, and the ability to provide an improved means of interfacing with customers.

The challenges of implementing IoT networks include the need for a high level of expertise when setting up smart networks as well as the complicated networking required to connect the component devices to a centralized network. Ayyeka addresses these barriers to entry by developing streamlined solutions with preconfigured network connectivity. Ayyeka's team works to enable the simple installation of integrated monitoring kits with existing infrastructure to allow for instantaneous data collection.



AYYEKA STREAMLINES THE DATA GENERATION PROCESS
REQUIRED FOR CREATING SMART INFRASTRUCTURE
NETWORKS

INNOVATION

AYYEKA OFFERS THE FEATURES YOU NEED TO EFFECTIVELY MANAGE AND PROTECT YOUR SMART INFRASTRUCTURE:



CYBER-SECURITY

Ayyeka's kits are equipped with advanced cybersecurity and physical-access protection which ensure that they cannot be used as reverse entry points to sensitive databases .



PLUG & PLAY

Ayyeka has developed patent-pending low-power algorithms that adapt to communication network conditions and optimize the sensor power profiles. This extends battery life and eliminates the need for external power.



COST EFFECTIVE

Autonomous decisions are made at the network edge, onboard the devices. This further reduces battery consumption and frees central resources for other processing tasks.

MANAGEMENT TEAM



ARIEL STERN
CEO & Co-Founder

As CEO of Ayyeka, Ariel is focused on introducing innovative, cyber-secure solutions to the Industrial IoT. Prior to co-founding Ayyeka, Ariel served as a Captain and Senior Project Manager within the Israeli Air Force, managing airborne control systems and world-leading defense contractors. Ariel holds a B.Sc. in Electrical Engineering from the Technion Institute of Technology.



YAIR POLEG, PhD
CTO & Co-Founder

Yair specializes in signals processing and spearheads Ayyeka's technological and intelligence R&D innovation. He holds a PhD in Computer Science from the Hebrew University of Jerusalem and is a former team leader and project manager with the Israel Defence Force's 8200 signals intelligence unit.



RON GROSSMAN
CFO

Ron brings a wide breadth of commercial and financial experience to Ayyeka. With 15 years of executive-level financial experience, Ron oversees Ayyeka's financial operations, business planning, and strategy development. Ron holds an MBA from Imperial College, University of London, and a Law degree from London Guildhall University.



LAURIE MARR
Product and Support Manager

Laurie brings 20 years' experience to her role managing the product and support teams at Ayyeka, including positions at IBM and various startups. A seasoned software professional with a passion for implementing methodologies that put the wheels of growth in motion, Laurie's skill set includes R&D management, project leadership, and software enablement.



NIR BEN-DAVID
Director of Engineering

With 25 years' experience in the engineering and manufacturing of industrial and medical devices, Nir is responsible for product engineering and production optimization. He holds a B.Sc. from Tel Aviv University and an MBA from the University of Derby.



DAVID DOLPHIN
Water Sector Director

As Water Sector Director, David Dolphin drives Ayyeka's digital solutions to market and works with customers to streamline water quality and service. He holds a B.Sc. in Mechanical Engineering from Aston University and has over 20 years of executive experience including at Veolia, Elga Ltd., Hanovia, and Rohm & Hass.



STEFAN KRAMER
Sales Director EMEA

Stefan Kramer brings 20 years of channel partner management and automation experience in the arena of industrial data acquisition and communication to Ayyeka by translating customer requirements into vertical solutions. He holds a B.Sc. in General Operational Engineering from Utrecht University.