

Indiana Connected Health IoT Lab/Network FAQ

What is IoT (Internet of Things)?

The Internet of Things (IoT), sometimes called the Internet of Everything, is a general concept that describes technologies where just about anything can be connected and communicated remotely in an intelligent way. It usually includes electronics or microelectronics, data communications, backend ways to securely collect and store large amounts of data, and methods to analyze and act on the data, sometimes using AI (Artificial Intelligence).

Why a focus on health IoT?

Analysts predict that the size of the Digital Health market affected by Smart Connected Health devices is over \$43 Trillion.

IoT is having a transformative impact across all areas of health: Creating an integrative delivery model transforming the way healthcare works and “unlocking health care value.” In Indiana, Health+IoT will dramatically affect many sectors that already have a huge impact in this state including: Healthcare, Medical Device, Pharmaceutical, Health IT, Insurance and Advanced Manufacturing.

Why are you calling it a Lab?

Although we will not be doing basic research, “Lab” is a great description for this facility as it will house the capability to try and to learn the latest IoT technologies and network with both technology developers, integrators and end-users in an “idea laboratory” to envision and ideate new processes and products.

What is the EDA grant project all about?

The EDA RIS i6 Grant is a 3-year federal grant designed to create and expand cluster-focused entrepreneurship and technology transfer programs in close collaboration with industry partners. The NIIC Proposal defined a Connected Health IoT Lab to build upon our strong health sectors by helping them take advantage of the latest technologies.

What will the Connected Health IoT Lab do?

The Lab will actively engage healthcare organizations, IoT supplier companies and applied-research universities. The lab will be inclusive, multi-disciplinary and will focus on practical applications with commercial merit and readiness.

A Proof-of-Concept Center will pilot and experiment with innovative ideas. The Connected Lab will partner with Indiana Economic Development organizations to reach global markets. The NIIC will provide ongoing intensive business coaching and connection to capital for promising projects. The Lab will focus on bringing together the pieces and players to get them started, sprout ideas, launch and grow businesses, and coach them to success:

Engagement > Ideation > Proof-of-Relevance > Business Building > Capital Infusion > Ventures, Growth and Jobs.

What results do you expect from the Lab?

The Connected Health IoT Lab’s goal is to catalyze company growth, creation and attraction while providing better outcomes for patients. This is realized through:

- Growth of existing companies in targeted sectors through new products and services launched,
- Health of companies: more ideas move from the lab to market validation,
- Development of IoT supplier companies and
- Creation of new Health IoT startup companies.

In addition, the global partnership network will bring additional business impact and reach:

- Creating new IoT businesses via partnerships with overseas companies,
- Increasing investment and venture capital from outside the U.S.,
- Enhancing the technology and innovation portfolio of Lab partner companies and
- Increasing access to global markets with innovative product/service offerings

Why is Indiana a good location for the Lab?

Indiana is an ideal location to house a Health IoT Lab because of the industrial sectors that are strongly aligned to the health IoT industry. Business clusters include the following: advanced manufacturing, medical devices, communication and electronics, imaging, finance-insurance and business analytics, healthcare, and materials/sensors will all be important components of the Health IoT ecosystem.

Although the Lab will be located on the Northeast Indiana Innovation Park 55-acre campus, the Indiana Connected Health IoT Lab will be created with a network of connections and collaborations across our region, State and globe.

What kind of organizations and people should be involved in the Lab?

As IoT and Health are very broad-based technology and market segments, many types of companies and individuals that could provide service, technology or other solutions are encouraged to engage, even if you don't know what IoT is all about. We will help teach you!

Health-related market companies will be a big part of our network and privacy and intellectual property protections across companies will always be of utmost importance. These companies can learn about the latest IoT and connected health technologies and applications. Global participation will be encouraged.

Who is involved already with the Lab?

The NIIC's Founding Partners for this expansive project include: State of Indiana (IEDC), Indiana University, Clear Object, Indiana Tech, Purdue University Fort Wayne, Parkview Mirro Center for Research and Innovation, Elevate Ventures Northeast Indiana, Indiana University Research and Technology Corporation, Vision Tech Partners, Northeast Indiana Innovation Center and Greater Fort Wayne, Inc.

When will the Lab open?

The NIIC is finalizing the grant agreement with the EDA and expects to formally launch early in 2019.

How can I get more information or get involved?

To learn more or to commence a project in the Lab, contact Mike Fritsch at The NIIC in Fort Wayne, IN. Email: mfritsch@niic.net Phone: 260-407-6442.