

thinaer[®]

at a glance



Thinaer, a manufacturing digital transformation pioneer, fills blind spots with critical data and analysis through IIoT asset tracking and digital twin, enabling better, more profitable, production decisions.

Track the Untrackable with Thinaer

If you are a manufacturer with a digital transformation initiative looking to implement and achieve Industry 4.0 Smart Manufacturing, then identifying and filling manufacturing blind spots will be a critical starting point on your road to success.

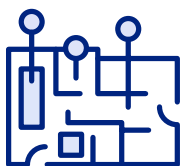
Thinaer is a SaaS platform that tracks the untrackable with patented cloud and hardware-agnostic technology. Thinaer's Sonar continuously democratizes and contextualizes data for the broadest range of sensors bridging IT and OT across commercial and classified area manufacturing processes.

Thinaer's Sonar continuously democratizes and contextualizes data for the broadest range of sensors bridging IT and OT to improve yield, profitability, and compliance while decreasing waste, maintenance, and energy consumption.

Manufacturing Blind Spots

One of the worst kept manufacturing secrets is that most processes are not instrumented or instrumentable resulting in upwards of 75% of digital blind spots, so manufacturers are making strategic decisions without a complete data picture. This challenge is further magnified by manual processes required today for classified areas that hinder accuracy and efficiency ultimately even leading to regulatory breaches and fines.

IIoT asset tracking and digital twin fills manufacturing blind spots with the critical data and analysis required to make better, more profitable, production decisions ensuring digital transformation success and builds the industry's most complete dataset for next gen AI initiatives.



Asset Tracking

Integrating an automated location-tracking system with ERP asset management databases ensures synchronization between physical movement and records. Location changes are automatically reflected and contextualized to improve reporting and decision making.



Digital Twin

Extend the life of existing analog equipment with the addition of sensors to provide critical missing digital data. Sensors can report on everything from location, temperature, humidity, vibration, voltage, pressure, to rotation, the existence of light, and much more.



Commercial & Classified Area

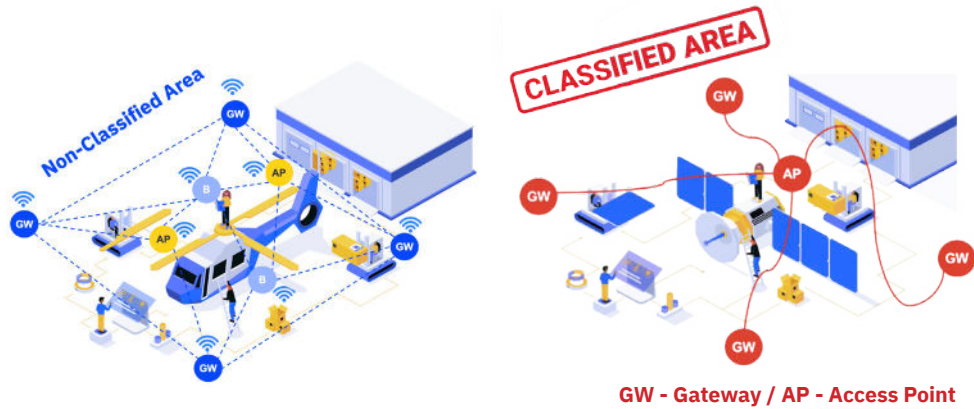
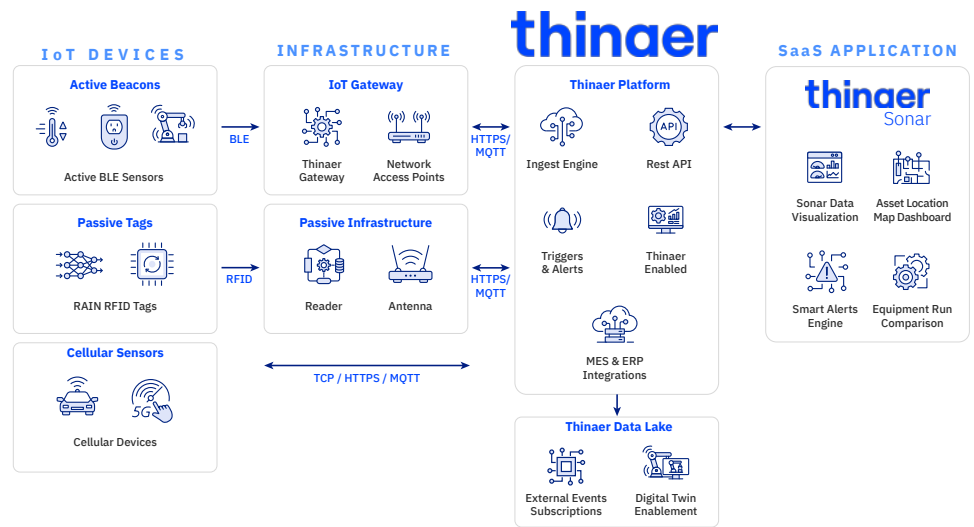
While commercial area requirements require digital data be completely secure, classified area requirements require multiple architecture options for completely stand-alone and even air gapped infrastructure where regulations dictate.

How Thinaer Works

Thinaer's solution begins with Bluetooth Low Energy (BLE) beacons and sensors which can be configured in many different ways to transmit deidentified data packets. Gateways capture the beacon signals then transfer the data to the Thinaer platform and Sonar visualization layer, where a trilateration engine determines the exact locations during a secure, behind the firewall asset association process.

Furthermore, Thinaer can deliver a digital twin to currently uninstrumentable machinery and processes to fill in the data blind spots that current limit accurate reporting and business intelligence analysis.

There are also multiple infrastructure architectures available from a complete air gapped approach where all gateways are hardwired to the server to a new Secret Cloud version available exclusively on Microsoft Azure.



Why Thinaer?

Tracking the untrackable with continuous and contextualized visibility into current blind spots is the foundation of every commercial and classified area manufacturing digital transformation initiative

improving:

- yield,
- profitability,
- and compliance

while decreasing:

- waste,
- maintenance,
- and energy consumption.

About Thinaer

Thinaer, a manufacturing digital transformation pioneer, fills blind spots with critical data and analysis through IIoT asset tracking and digital twin enabling better, more profitable, production decisions. Thinaer is a SaaS platform that tracks the untrackable with patented cloud and hardware-agnostic technology. Thinaer's Sonar continuously democratizes and contextualizes data for the broadest range of sensors bridging IT and OT across commercial and classified area manufacturing processes. Thinaer provides the foundation for Industry 4.0/ Smart Manufacturing digital transformation initiatives improving yield, profitability, and compliance while decreasing waste, maintenance, and energy consumption. **For more information please visit www.thinaer.io**