AI with IoT made simple:
MindSphere
AI for Everyone

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As organizations connect their assets to the Internet of Things (IoT) and begin receiving and visualizing data, new needs emerge. They may want data scientists to implement machine learning or artificial intelligence (AI) to receive predictive analytics. But data scientists are in short supply, and organizations need new, better ways to run models.

What if your organization could get these analytics without data scientists?

MindSphere®, Siemens' industrial IoT as a service solution, now allows users to take advantage of a new AI for Everyone functionality, which enables citizen data scientists to leverage time series data from IoT-connected assets and create forecasts. The solution integrates AI components from Tangent Works with MindSphere.

Let's dive into AI for Everyone.

How does AI for Everyone work?

AI for Everyone is powered by capabilities from MindSphere and Tangent Works.
It begins with the collection of time series data, such as temperature and vibration readings. Once enough data is collected, the AI and machine learning capabilities allow you to produce a forecast – often it runs in one minute or less.

These forecasts help users make informed decisions about future actions, such as predictive maintenance scheduling, early detection and resource planning.

Over time, you can even program alarms that trigger if forecasts show information outside of what's considered normal.

Who benefits from AI for Everyone functionality?

It's in the name. Everyone can benefit.
Small, medium and large companies can implement predictive capabilities and build analytic models. Through MindSphere, AI is accessible to all companies – with and without AI or machine learning expertise on staff.

To take advantage of the capability, you need to be a MindSphere user. The tools are available out-of-the-box for all levels of implementation, even if you are using a MindSphere Start for free trial account.

Do we need a data scientist to use AI for Everyone?

No. Anyone can become a citizen data scientist and run forecasts.
MindSphere users who are connected to a product (including service managers) or connected to the shop floor (including maintenance engineers, operations engineers and plant managers) can select machine parameters to create the forecasts they need to do their work. By leveraging Tangent Works technology, the AI expertise is built in and ready for all to use.

What are the benefits of using AI for Everyone?

When you begin leveraging the forecast outputs from AI for Everyone to make decisions, you can expect to:

- **Reduce the need for external reliability resources.** The functionality's accessibility allows MindSphere users to access the data from your assets and keep all analysis and decision-making in-house.

- **Reduce manual maintenance costs and down-time.** The forecasts can help you predict when your assets will need maintenance before they break down or fail in the field.

- **Reduce manual, inefficient efforts for periodic maintenance.** By taking advantage of AI and machine learning to understand how your IoT-connected assets are trending, this capability helps your employees spend less time manually monitoring assets or scheduling maintenance for assets.

- **Increase production.** Because its functionality can help you identify opportunities to streamline production processes and asset performance in the field, you can design improved products faster.

How much does it cost to get started with AI for Everyone?

It's free and available out-of-the-box for any MindSphere user.
At the most basic level, you get up to 20 forecasts a month with the opportunity to upgrade when needed.

Taking advantage of AI, in general, is a smart competitive move for small and medium businesses. It's an even better choice when it's so simple to implement. With automated machine learning and AI capabilities forecasting performance, you can take the action you need to maintain the highest levels of productivity.

Try MindSphere Start for free: MindSphere.io/start/industry