SMART EDGE SYSTEMS

TRACK. ANALYZE. AUTOMATE. OPTIMIZE

NEXT-GENERATION EDGE FOR YOUR PRODUCTION FACILITY

Every entrepreneur and manager constantly asks: What change in the production facility will impact the entire business?

Balancing employee management, production, and the end product, you're likely grappling with this same question.

After all, no one in manufacturing is unaware that there's always a way to unlock new levels of productivity.

Yet, you're already immersed in the daily grind, working with the same machines and personnel.
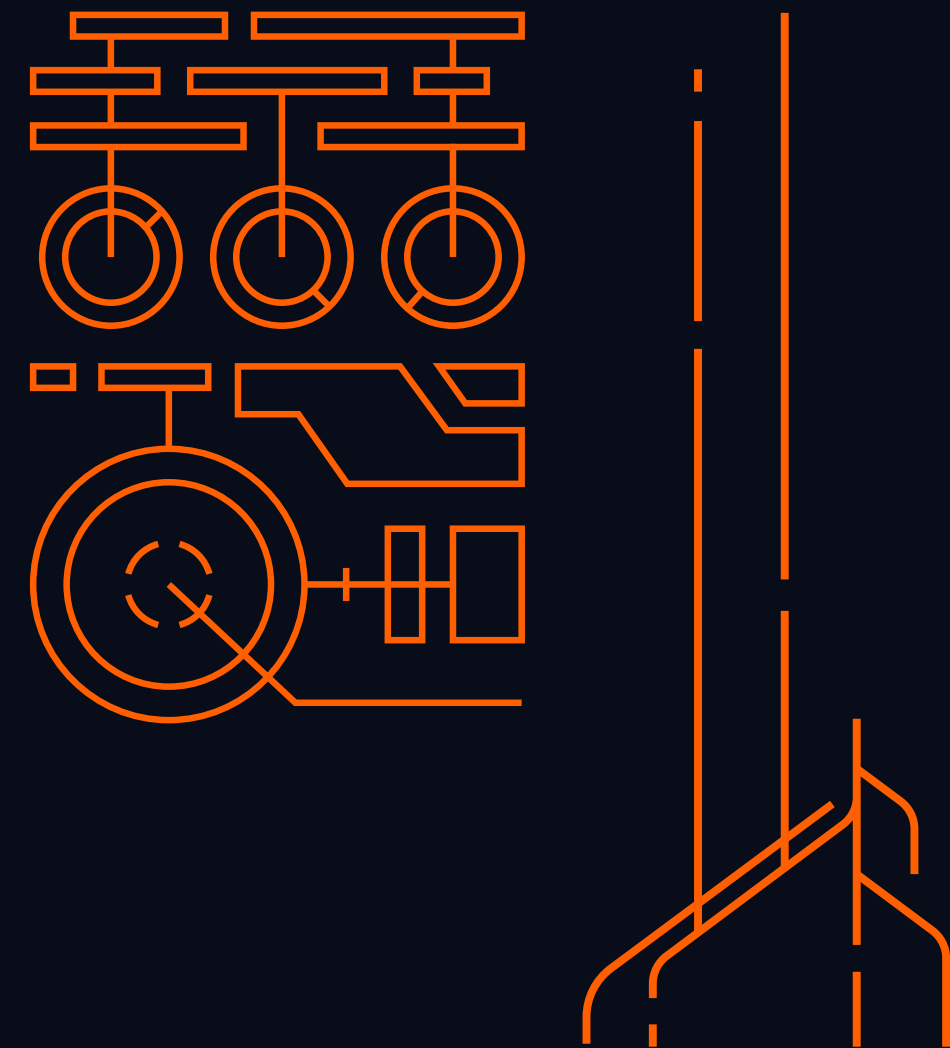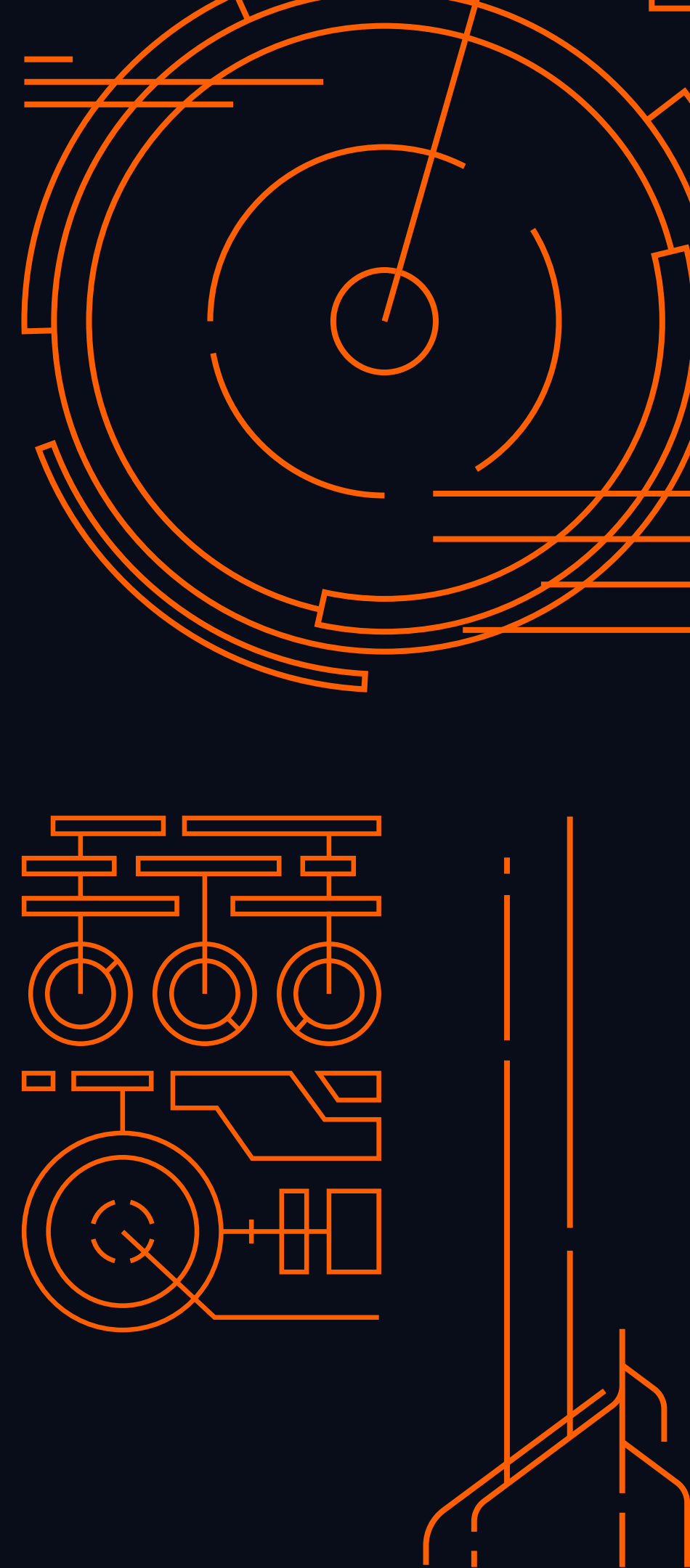
There's no revolutionary secret you haven't already encountered.

We're not here to dictate how you should do your job. We're here to help you optimize it.

The Track, Analyze, Automate, and Optimize (TAAO) system allows you to define and monitor events and metrics, automating existing tasks within your production facility. With the insights gained, you can continually enhance your production line.

TAAO is the methodology behind the Smart Edge System, designed to help you monitor, automate, and manage your facility effectively.

It becomes your Smart Edge.

FIXING WHAT WORKS

Often, the greatest revolution comes not from reinventing the wheel but from improving what already works

For example, addressing issues on a production line that require excessive manual control and handling, or identifying problems affecting the end product

Perhaps even tracking events, measuring them, and collecting data from multiple facilities simultaneously
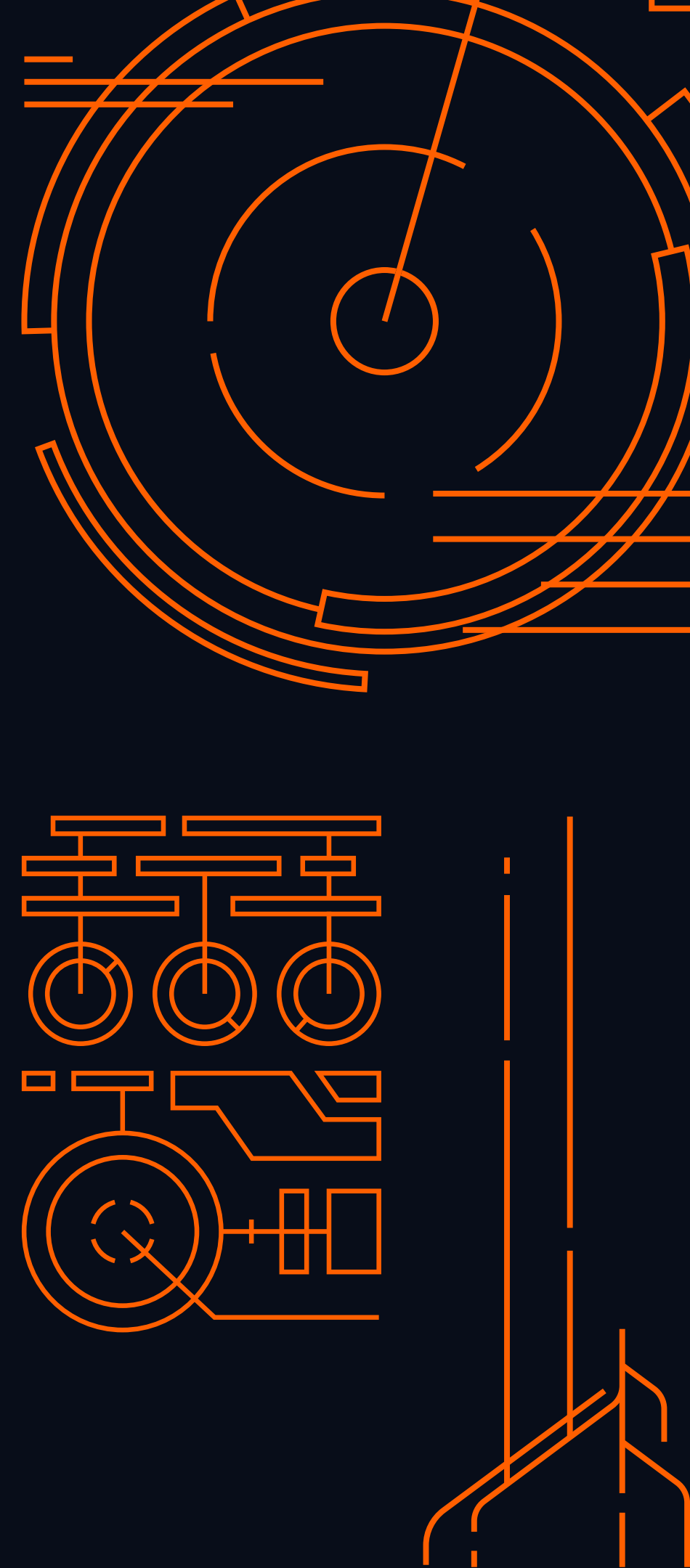
While purchasing new machines and hiring better personnel can raise overall efficiency, optimization focuses on refining what already functions well

With TAAO, you can fix, reconfigure, and test your setup, providing a more efficient way to optimize your entire facility

The TAAO method helps you define relevant use cases, track and test them, automate processes, and optimize through a "recipe."

A recipe is a set of instructions needed to operate the machine to achieve the desired end product

Gain valuable insights and enhance your entire process with ease

THE NEW STANDARD

You've likely heard about Industrial IoT, Industry 4.0, smart machines, machine automation, and similar concepts

The challenge is understanding how they relate to your specific facility

It can seem far-fetched to discuss connecting everything if you're working with legacy machines

Even with the right setup, you'd need someone to implement and manage the new system
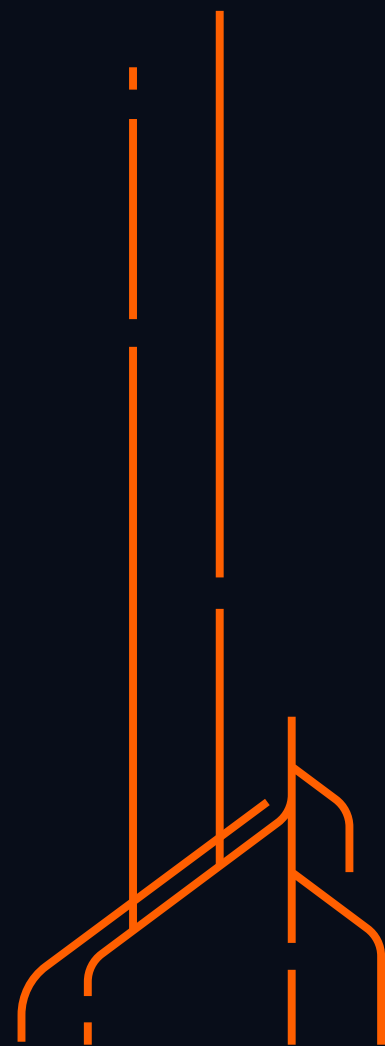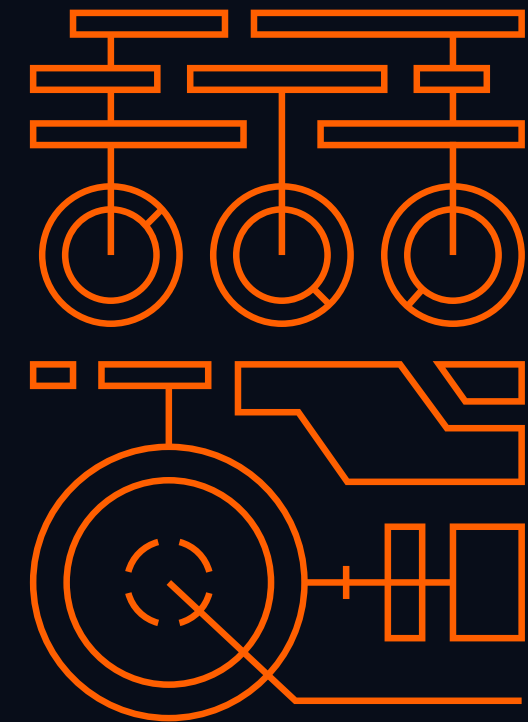
And even if they are skilled with hardware and software, finding the right use case for your facility can be daunting

This can make advanced technologies feel distant from straightforward tasks like monitoring temperature in a brewery or assessing product quality during production

The reality is, these technologies have been available for some time, but they're only accessible to those who know how to leverage them

From automated car production lines in Japan to craft breweries in San Francisco, IIoT enhances the production capacity of entire facilities

Automating and controlling fleets of machines has become the new standard. It also allows you to gather, transform, and analyze data from machines more efficiently

HOW TO USE IT IN YOUR FACILITY

Consider your machines or facilities. Identify a use case, an event, or a measurement within your machines or production process

Track it, analyze it, automate it, and optimize it

Imagine you're producing machine parts that require precise temperatures to properly mold the hardware

Even with a system in place to move the pieces and apply the correct temperature, you might still end up with faulty products

With the Smart Edge System, you could create a recipe to monitor the temperature and automatically stop production if it's out of range
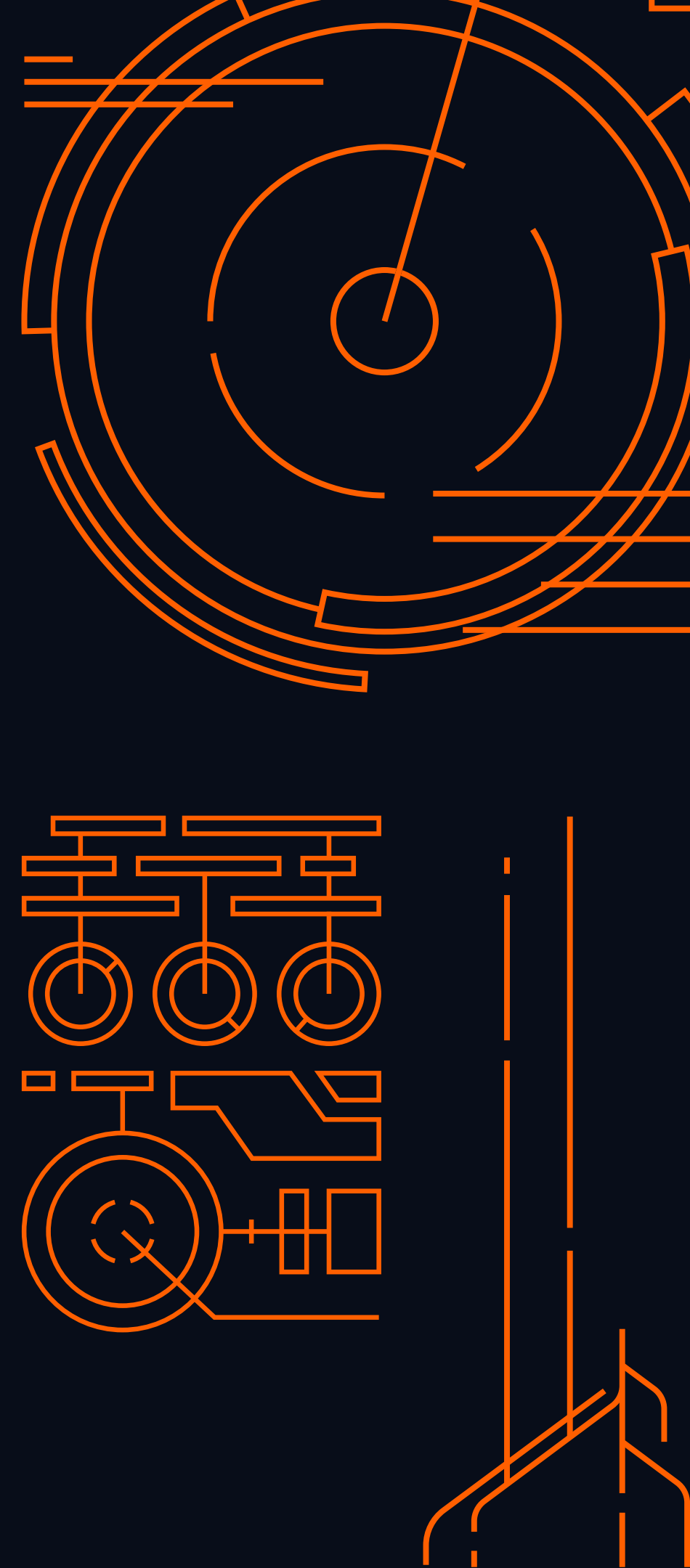
Alternatively, you could set up an action to adjust the temperature and resume production

The next step would be to prevent temperature fluctuations and optimize overall production performance

This is how the TAAO methodology operates

It allows you to monitor, test, measure, and automate your production process

This approach can transform your business by addressing specific problems and enabling effective optimization

HOW IT CHANGES YOUR WORK

All production businesses are unique, yet they share many similarities. In each, after significant effort, concrete ideas for production improvements eventually emerge

The key is to identify what needs to be monitored or measured—and the sooner you do this, the better

You're just an upgrade to your existing operating system away from saving labor, reducing consumption, and improving product quality

No expensive equipment, lengthy implementation time, or steep learning curve is required

The hardware you need is likely already in your possession, giving you full control over the collection and processing of information

You can set up monitoring for the metrics and processes that matter most to you

This is the Smart Edge System—designed to continually enhance machine and production capacities through systematic micro-optimizations

From a technical standpoint, we use standard devices readily available at any electronics store

We integrate these with our software and customize them to fit your specific use case

We monitor and measure critical metrics in your production process. When an event occurs, you receive a notification, allowing you to review and take control of the process

Additionally, other optimizations can be linked to this measurement, offering greater autonomy in machine operation
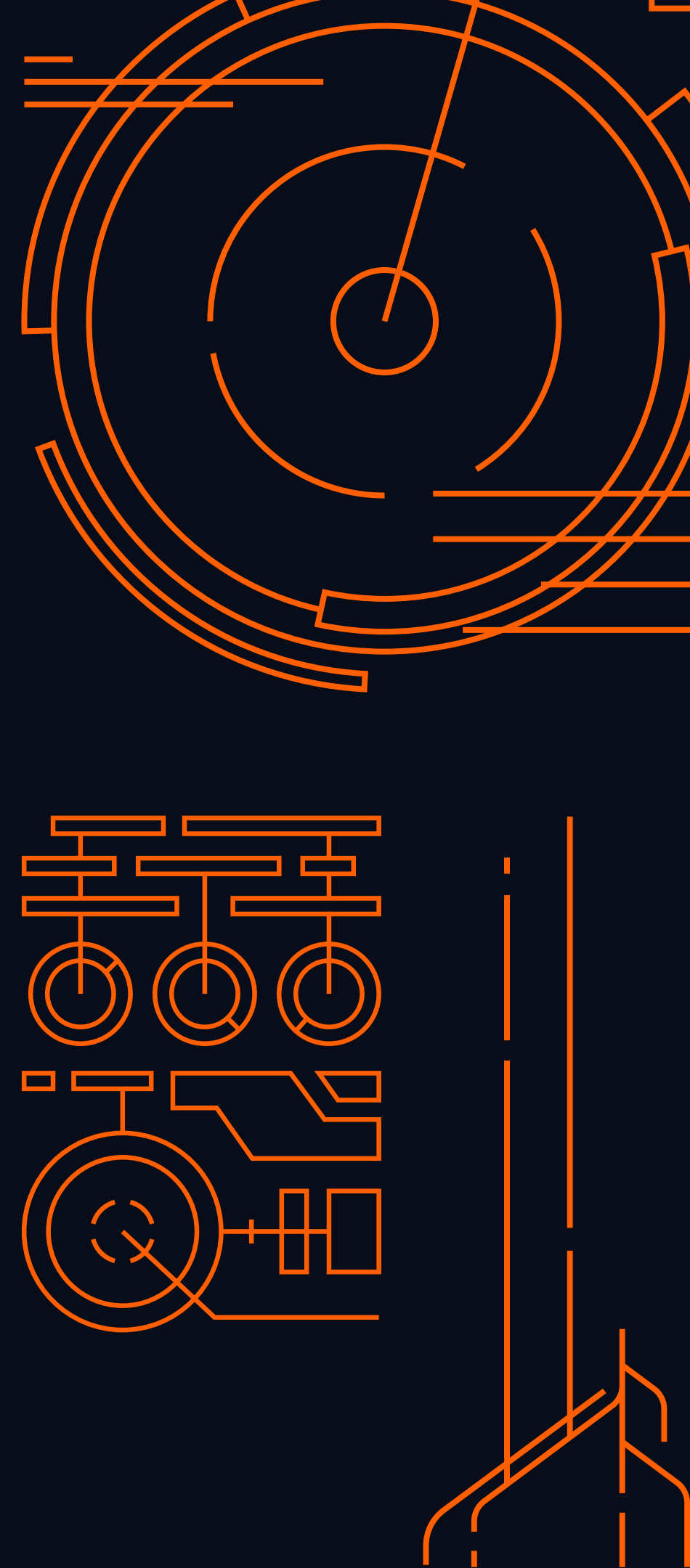
The system is versatile, applicable to small, medium, and large-scale productions

It is compatible with legacy machines and can be linked to complex production processes or advanced machinery

You can even connect different production facilities across various locations

Data can be centralized and visualized, enabling real-time monitoring of your operations

Use it for nearly any use case

Smart Edge Systems Offer

With the Smart Edge Systems, you receive two months of access to our software. We'll assist you in customizing the software for your specific use case, creating a "recipe."
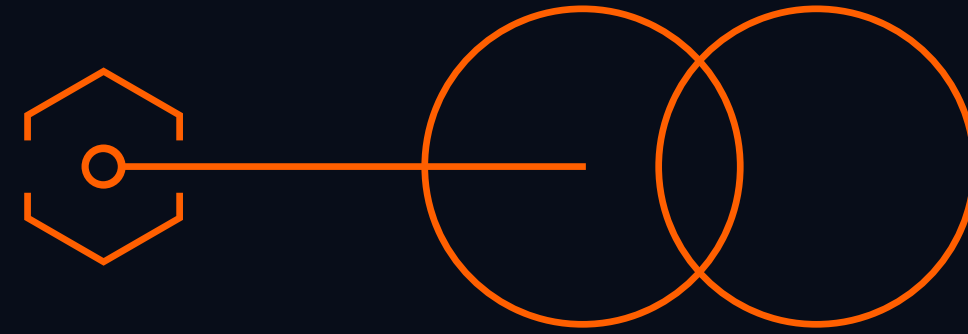
Once the recipe is developed, you'll receive the technical requirements, get the necessary hardware to use the Smart Edge Systems.

At the end of the two-month period, we'll review the data and discuss whether you wish to continue the partnership.

If you decide not to proceed, we'll discontinue the software use and thank you for the data provided.

So, you get two months of automation for just the price of the necessary hardware.

ELEVATE YOUR PRODUCTION LINE

Schedule a call