



TWINIFY
TECHNOLOGIES
AN ASME COMPANY

USE CASE

Combustion turbine

Twinify's digital twin solutions help energy producers **improve reliability, compliance, performance, and risk management** for their combustion turbines.

WWW.TWINIFY.COM



Challenges

Lack of centralized data

However you track your data – and no matter who is in charge of doing so – you need a system that compiles all your information in a single, accessible place. Failing to do so may result in the right data not being captured, information not being routed to the correct systems or experts, or experts themselves needing to jump between multiple systems and techniques just to gain a baseline understanding, impacting organizational knowledge and decision-making.

A siloed workforce

Subject matter experts diverting focus to find the information they need just to meet reliability, performance, and emissions requirements leads to diminished workforce efficiency. Not only does inaccurate data reporting and modeling impact the organization's top-down decision-making, it ties the hands of everyone on the payroll.

Outcomes



More versatile use of existing data

Twinify's digital twin solutions help both fossil fueled and renewable energy generators make the most of the substantial loads of data they produce. In this case, our customizable solution utilizes a combination of historical data, real-world application info, and future forecasting from numerous sources – including weather, future regulations, and more – to devise better models from information that data collection systems are already pushing out.



Engineer-friendly reporting, published in real time

With better reporting, more accurate modeling, and future-friendly tools in place, engineers no longer need to play systems hopscotch to derive basic (and critical) data about their workplace. Twinify provides clear, digestible, informational dashboards with high contextual accuracy. That gives SMEs of all specialties much faster, better-curated access to the information they need to make both everyday and critical decisions.



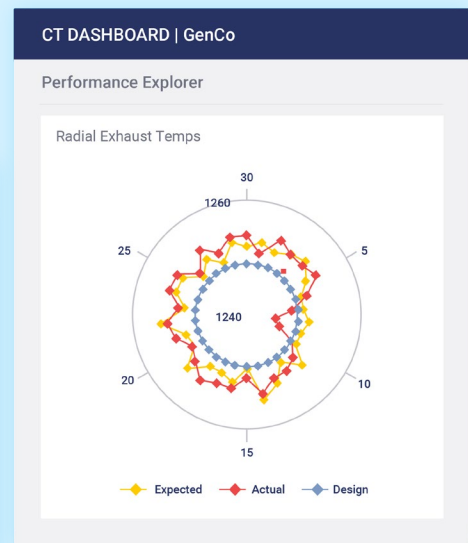
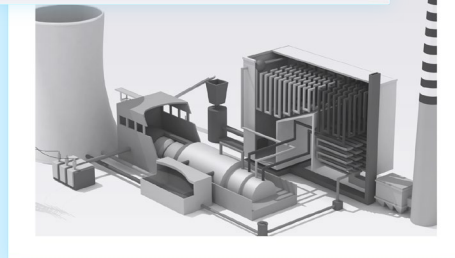
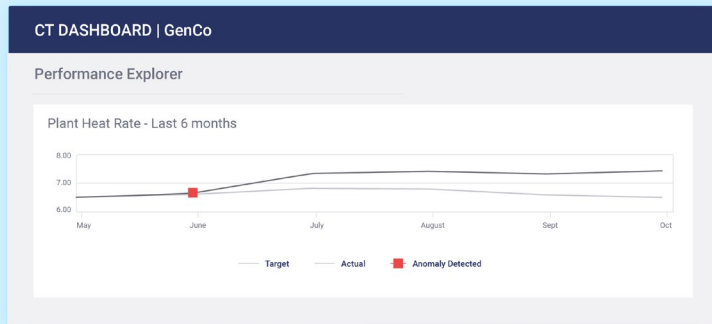
Staying one step ahead of the market

By accurately anticipating future output – among other potential outcomes, based on Twinify's advanced predictive capabilities – our solution helps predict optimal responses to market fluctuations before they happen. It's one of many added efficiencies we introduce when businesses turn to us to help address reliability, performance, emissions, and other core metrics.

Advantages that Twinify brings to **traditional energy generation assets**

Every energy company's portfolio and approach are different. Twinify customizes a solution to fit your needs now, with the ability to scale and adapt to changing conditions.

Here's what energy companies can expect with Twinify



1

Easy monitoring of risk areas

With customizable dashboards that visually represent exactly where degradation is occurring, you can address efficiency loss as it happens and get ahead of equipment breakdowns.

2

Powerful historical modeling and future forecasting

We combine the data your assets generate with our own solution to provide viable, actionable information about where your output, reliability, emissions, and operating costs are—and where they may be going.

3

Proven solution that meets your needs

Building an in-house data solution may sound like a tempting approach. But many companies who follow this route find themselves entangled with unconsidered complications, from technical issues and bloated costs to unexpected maintenance and support needs. Though our solution is highly adaptable to any individual's needs, it also offers straightforward usability that gives it rapid viability in a number of energy production environments — including yours.

