

A hand holding a pen points at a digital financial chart on a screen. The chart features a grid with blue and green lines, and a white line graph showing fluctuations. The background is dark blue with glowing green and blue elements.

TRiD!UM

Niagara Analytics Framework

SHRINK BIG DATA AND
GROW PERFORMANCE

In our hyper-connected world, big data is a big opportunity

Every second, all across the world, people and devices are connecting in new and profound ways—and those connections are only increasing. It's estimated that by 2020 there will be 30 billion devices connecting within the Internet of Things.¹ And the result of all those connections is an ever-flowing, ever-growing torrent of big data.

In an age where everything is knowable, how do we shrink big data to identify patterns that can be interpreted in meaningful and profitable ways?

The answer—the Niagara Analytics Framework.

Unlike other analytics platforms, the Niagara Analytics Framework provides real-time business intelligence that lets you make smarter, swifter decisions. By tracking events against business and operational “rules” that you set, the Niagara Analytics Framework can help you proactively analyze and detect patterns in your data and recommend appropriate actions—driving efficiency and capturing cost savings. It runs on any system that produces data and can be applied to all your operations.

The Niagara Analytics Framework is the only truly open analytics framework that enables you to go well beyond energy management into other critical areas of your enterprise, from production to security.

RESPONSIVE ANALYTICS THAT GIVE YOUR DATA MEANING IN REAL TIME

As your devices and systems communicate with each other, they generate data. Responsive analytics give that data power—automatically triggering the execution of other strategies based on a library of rules unique to your business. By adding a historical perspective to real-time analytics, the Niagara Analytics Framework provides deeper insight into the root cause of issues and proper remediation techniques, moving you from reactive to a more powerful proactive position.

THE POWER OF THE PLATFORM

The Niagara platform is the industry's first truly open framework, harnessing the power of the Internet of Things. **Now, with the Niagara Analytics Framework—the only analytics framework native to Niagara—you can leverage the power of our platform to transform data into actionable information.** It utilizes open APIs and communication drivers, thus creating a truly open analytics framework that works across any application or industry—energy, manufacturing, smart cities, data centers and beyond. Best of all, our responsive analytics can run in the cloud or on your network, and be accessed by any mobile device, which allows you to interact with your entire portfolio—anytime, anywhere.

¹ Gartner, November 11, 2013

NIAGARA ANALYTICS FRAMEWORK KEY FEATURES

Open and extensible analytics framework

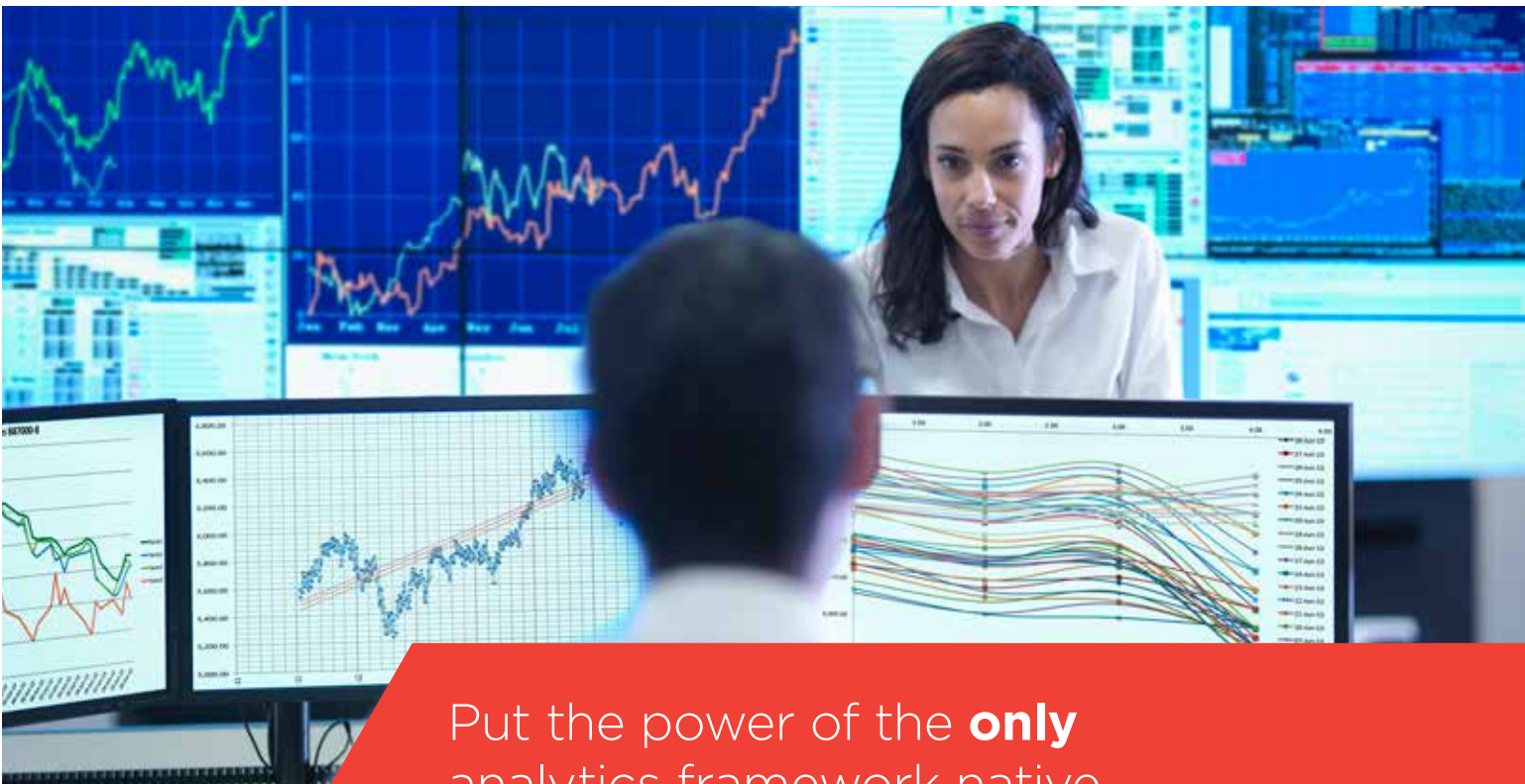
- Analytics for any industry: energy, manufacturing and a variety of other applications
- Advanced analytics that do not require specialized programming skills
- Open API supports third-party visualization and other complementary apps

Native to Niagara

- Only analytics engine built on Niagara and uses standard Niagara toolset
- Leverages the global footprint of certified Niagara developers and system integrators

Real-time analytics with historical perspective

- Live events with history of prior occurrences (frequency, duration, cost)
- Deeper insight to root cause and proper remediation techniques
- Comprehensive business intelligence (BI) reporting package



Put the power of the **only** analytics framework native to Niagara to work for you

Contact your Tridium partner to learn more about the Niagara Analytics Framework. Our global community of certified Niagara professionals can serve your unique business needs across any industry or geographic region.

powering possibilities

For nearly 20 years, Tridium has led the world in business application frameworks—advancing truly open environments that harness the power of the Internet of Things. Our innovations have fundamentally changed the way devices and systems connect, integrate and interoperate across the enterprise.

Our products allow diverse monitoring, control and automation systems to communicate and collaborate like never before. From building control and data centers to industrial automation and smart cities, Tridium is changing the rules for automation infrastructure technology.

We are committed to creating smarter, safer and more efficient buildings and communities—bringing intelligence and connectivity to the network edge and back.

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