OCTAVE

EBOOK

Empowering sustainable industrial facilities

The pressure is on:

Unlock more insights from data
Accelerate digital transformation
Do more with less
Save the planet through sustainability

As digital disruption continues to reshape how and where work gets done, it is more important than ever to make bold, strategic moves to sustainably thrive. Industry fundamentals have shifted. The next normal will be defined by the companies that embrace digital transformation — those that invest in innovation, pivot their operating models and put data to work.

Octave exists for moments like this.



Digitally transform how business gets done

Our approach—your success

Octave solutions are tailored for your digital maturity and ambitions. No matter how you choose to work with us, Octave delivers value in four key areas:

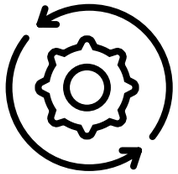
Data
Unlock the potential



Digital
Your way



Automate
Where it matters



Scalable sustainability
Every bit counts



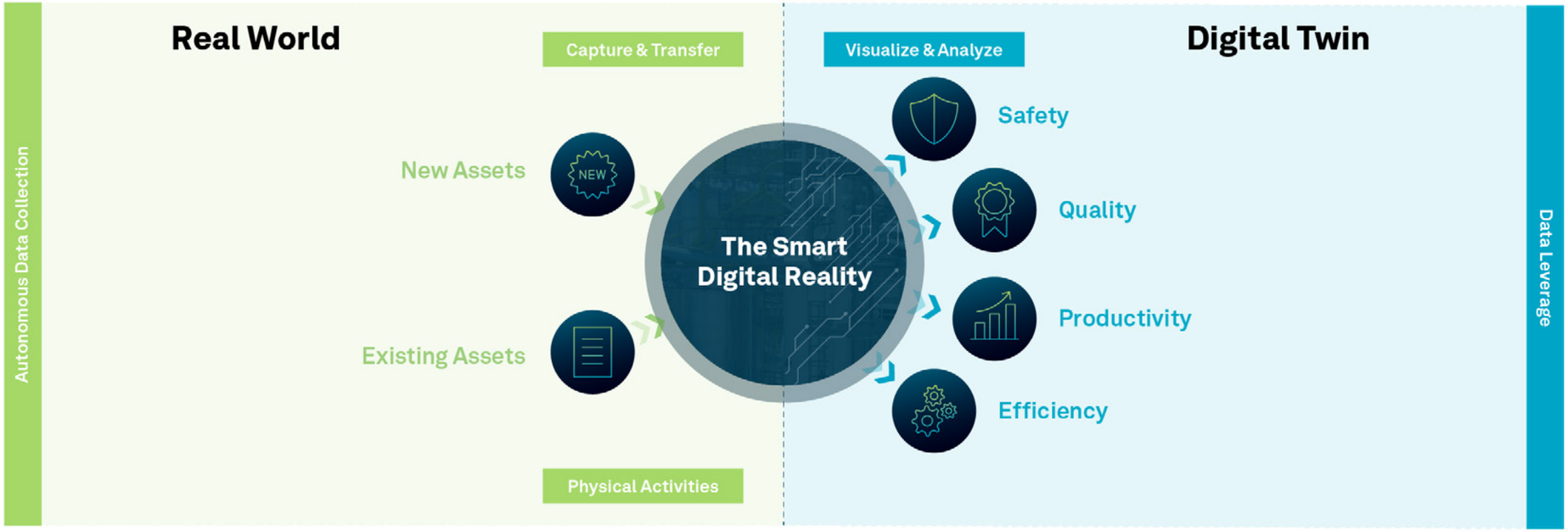
Octave is the leading global provider of enterprise engineering software, enabling smarter design and operation of industrial facilities. With 50+ years of experience in delivering innovative industrial software, Octave solutions transform unorganized data into intelligent, actionable information that enables smarter planning, design, execution, operation, maintenance and security across the asset lifecycle.

Our solutions are changing how business is done, raising expectations for every stakeholder.

Unlock the potential in your data

Improve your connectivity, collaboration and consistency throughout the asset lifecycle

Octave strengthens trust in your data's accuracy, accessibility and security. Smart Digital Reality collects data across the asset lifecycle and connect sit through our an intelligent digital twin to deliver.



Data-driven decision making

Maximize your use of data to boost efficiency, productivity, profitability and quality

Seamless handovers

Enable turnkey handovers from planning and design, to execution and operation, to maintenance and security

Operational integrity

Mitigate cyber threats, reduce process safety risks, enable more informed decision-making and optimize profitability

Digital your way

Start small or go big: choose the digital transformation journey that works for you

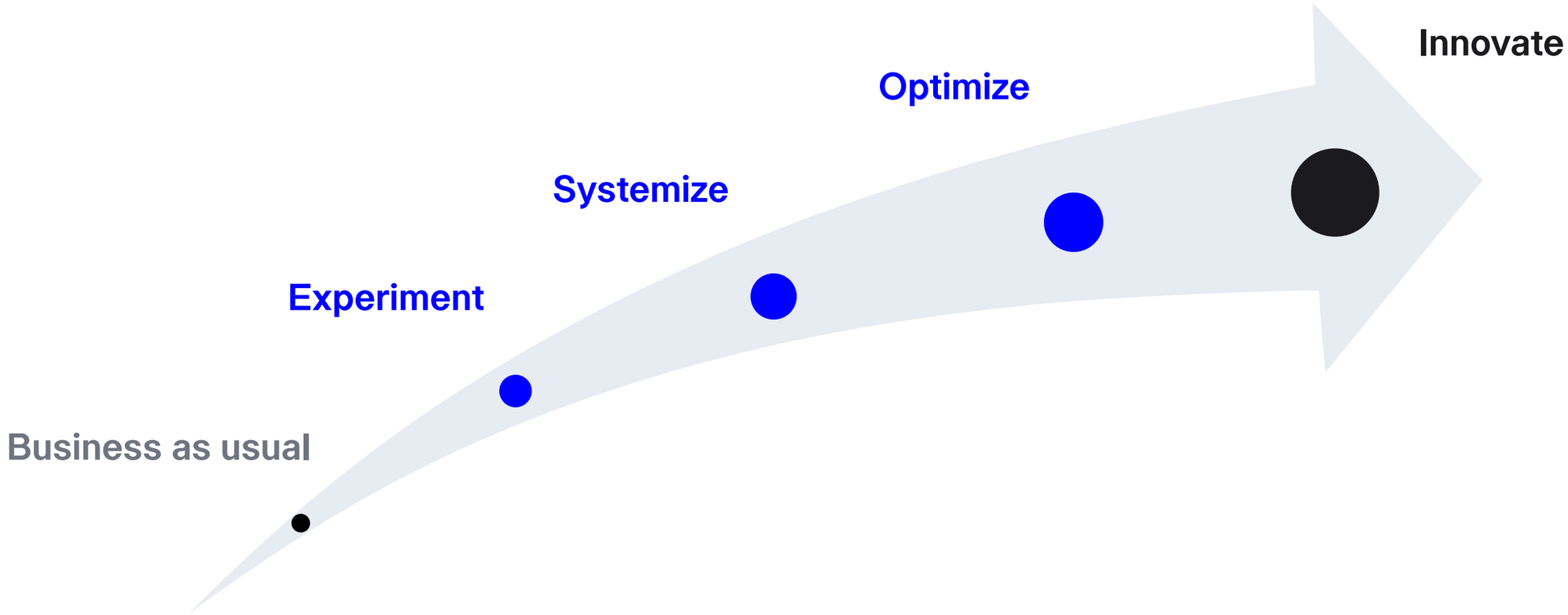
Transform the entire asset lifecycle or prioritize specific phases to modernize.



Design **Build** **Operate** **Protect**

Octave gives you the flexibility to prioritize digital transformation where it matters most. We work with your existing systems or help integrate and migrate to new tools on your terms.

While the pace and stakes for lifecycle modernization have accelerated, organizations are operating at different digital maturity levels. Octave helps you meet your digital ambitions regardless of your digital maturity.



Automate where it matters

Leverage built-in automation to make your job easier

Octave integrates automation into the way you work, so you can improve efficiency, performance and safety.

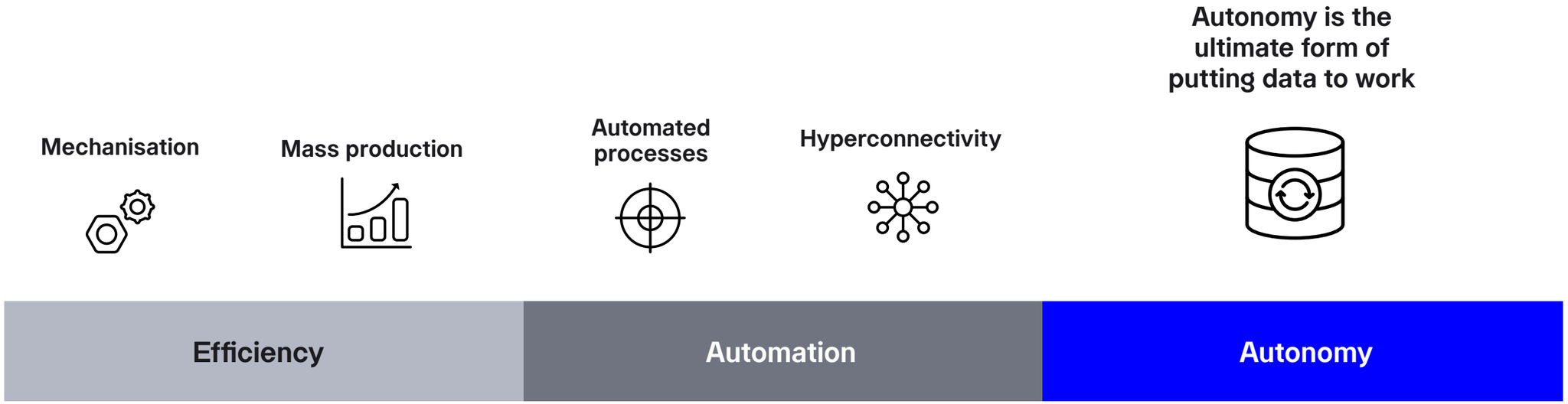
- **Automate for efficiency:** Increase workflow efficiency using Octave sensors that remotely and autonomously capture data and automation-fueled software to analyze and visualize the data.
- **Automate for performance:** Improve asset life through remote, real-time monitoring that enables predictive maintenance and improved performance.
- **Automate for safety:** Enhance site safety and cyber integrity with automated tools that minimize human interventions and improve cybersecurity threat detection and response.



Automate your way to an autonomous future

Unlock new possibilities by taking automation to the next level

While previous technology advancements drove business efficiencies by enabling greater mechanization and mass production, we are now reaching new levels of productivity, performance and hyper-connectivity through the automation we embed in our solutions. We also understand there are more possibilities as we move from automation to autonomy. While automation reduces manual effort, autonomy enables action, turning data into outcomes and unlocking new levels of productivity, performance and connectivity.



Scalable sustainability: every bit counts

Power growth while contributing to a more sustainable planet

Octave solutions are built with sustainability in mind. With fossil fuel and renewable energy production projected to significantly lag energy demand for decades to come, every step our customers take to improve their own sustainability counts.

Octave solutions help by:

- Enabling sustainable development
- Extending asset productivity and life
- Reducing construction and demolition waste



Today → **2030**

We currently need

1.79

Earths to support our energy consumption*

We will need

2.0

Earths to support our projected energy consumption by 2030*

* The World Counts

Incremental transformation

Growth and sustainability don’t have to compete. We can make an immediate difference by focusing on existing facilities and assets, to make them more efficient and extend their lifecycles. The key is to start with what you have then scale your sustainability over time.



Our solutions – your outcomes

Accelerate smarter decisions through greater data intelligence that delivers tangible business outcomes

Octave brings deep expertise and proven track record across asset-intensive industries from marine to manufacturing and power. Our solutions are stress-tested at the most demanding sites in the world. And our approach is co-creation, working closely with our customers to deliver the technology and performance improvements they need. We succeed when our customers succeed.



About Octave

Octave is a leader in enterprise software, turning data into decisive action and intelligence into your edge. Our software solves for and simplifies complexity, from the design and build to operations and protection of people, property and assets – for any scope, at any scale. For decades, we've partnered with customers to sharpen performance, elevate efficiency and amplify results. From factory floors to entire cities, our solutions are tuned to scale up what's possible from day one onward.

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