



BSI Kitemark™ for digital twins

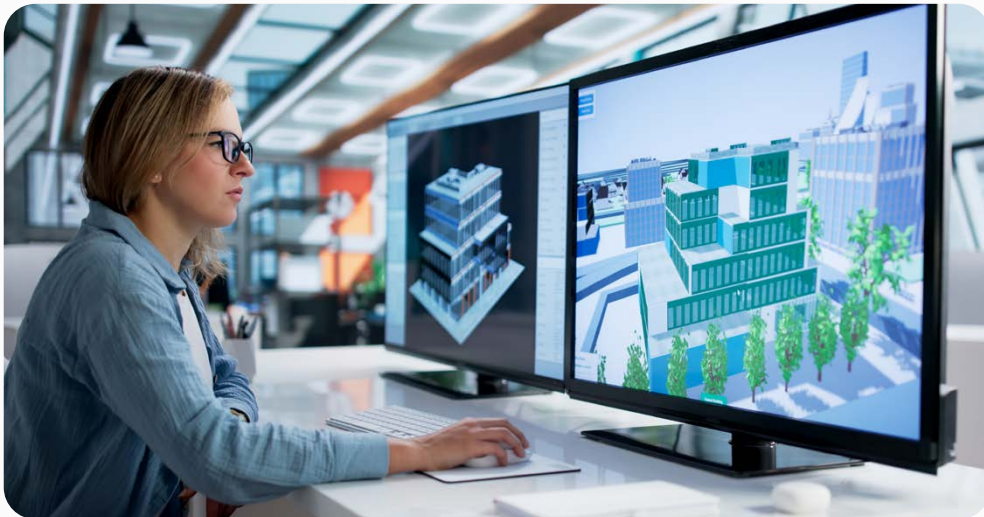
Turn your digital twin ambition into
a trusted, independently verified
digital twin capability



You want to build confidence in your digital twin solution

Digital twins are attracting significant investment across construction, infrastructure, energy, smart cities, and asset-intensive industries. They're enabling smarter decisions. Whether that's running advanced simulations to optimize operations. Or using real-time data from sensors and AI to enhance asset visibility and lifecycle management.

Digital twins can boost productivity, reduce risk, and elevate performance. But many organizations are adopting digital twins faster than they're building the governance, trust, and maturity frameworks needed to realize value at scale. As adoption grows, you need more than technology. You need confidence that you have the capability, controls and maturity to deploy and continually improve digital twin solutions over time.



The challenge you face

Digital twins are becoming critical to infrastructure, assets, and operations. That means you face growing pressure to show your digital twins are secure, well governed, and delivering measurable value.

But you're facing a series of common challenges:



There's no widely accepted definition of what good looks like;



Digital twin maturity varies widely across organizations;



Buyers struggle to distinguish genuine capability from marketing claims;



Stakeholders increasingly want evidence of business value and return on investment (ROI);



Connected digital twins bring growing security, governance and data management responsibilities; and



As digital twins bring together data, systems, and operational technologies, organizations need confidence that they are interoperable, governed effectively, and delivering intended outcomes.

How can you prove your digital twin delivers genuine value?

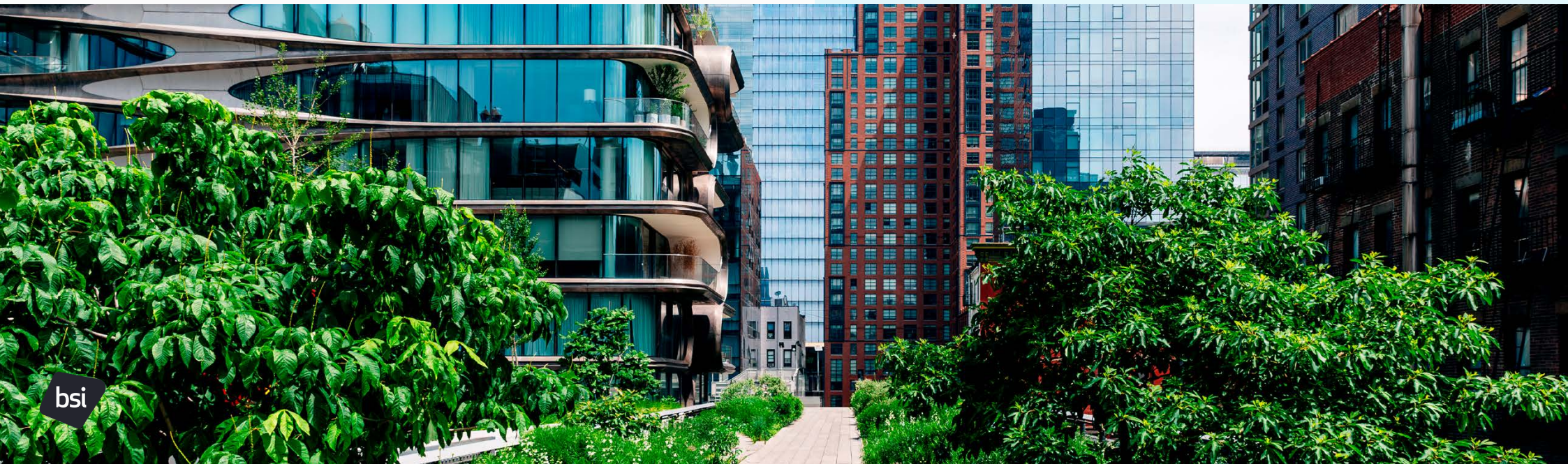
Using the BSI Kitemark™ for digital twins you build trust, demonstrate maturity and prove your digital twins deliver real operational outcomes.

We developed the Kitemark in collaboration with digital twin creators, operators, technology providers, and industry stakeholders to address your key challenges. Built on internationally recognized standards and the ISO/IEC 30186 maturity model, you get a consistent framework for assessing governance, competency, security, and value realization across the digital twin lifecycle. One which provides independent assurance of your digital twin capability.



The BSI Kitemark™ for digital twins does more than certify a specific digital twin project. It isn't about certifying technology. It's about assuring organizational capability, building trust, and showing that your digital twins deliver measurable, repeatable business value. You verify that your digital twin will perform as intended, not just now, but in the future too."

Hollie Rowland, Global Head of Certification, BSI



Your assurance framework

The BSI Kitemark™ for digital twins combines digital twin maturity assessment with organizational assurance.

Using a layered framework, you demonstrate:

Governance and competency



- Clear ownership and accountability exist.
- Roles, responsibilities, and competencies are defined.
- Leadership commitment supports digital twin adoption.

Digital twin maturity



- Digital twins are deployed with a defined purpose.
- Maturity aligns with business objectives and use cases.
- Lifecycle management supports continual development.

Security and trust



- Risks are identified and managed.
- Security controls protect critical assets and information.
- Digital twin environments can operate with confidence.

Value realization



- Expected outcomes are clearly defined.
- Benefits are monitored and measured.
- Improvements are linked to business objectives.

Continuous improvement

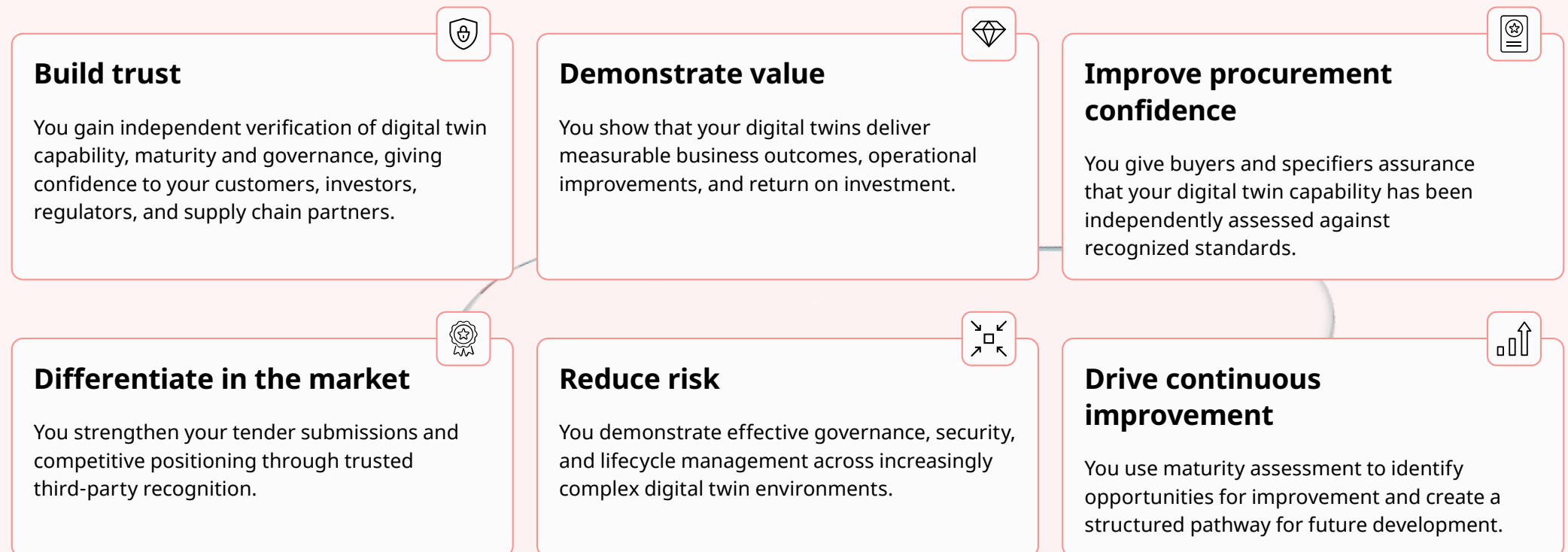


- Performance is reviewed regularly.
- Capability evolves as technologies and organizational needs develop.

Set yourself apart

Rather than prescribing how your digital twins should be designed, the Kitemark demonstrates that your twin has the capability, controls and maturity to match its intended outcomes.

As buyers try to separate genuine solutions from marketing claims – and stakeholders demand evidence of tangible returns – this helps you:



Why BSI?

We're at the forefront of developing the standards and frameworks that underpin digital trust, information management, and emerging technologies.

We understand that your digital twin journey is unique. Instead of a single approach, we work with you to understand your objectives, assess capability in context, and provide assurance that supports real-world outcomes.

By combining international standards, industry expertise and independent third-party assessment, we help you build trust and turn digital twin capability into scalable business value.

To find out more, reach out to the team [here](#).

