



## Delivering Resilience

It's time to think differently about the future — about how we prepare for and respond to natural, societal and economic risks. Jacobs delivers comprehensive infrastructure, technology, intelligence and operational solutions to help governments, cities and private sector clients survive, recover, adapt and thrive regardless of the chronic stresses and acute shocks they experience.

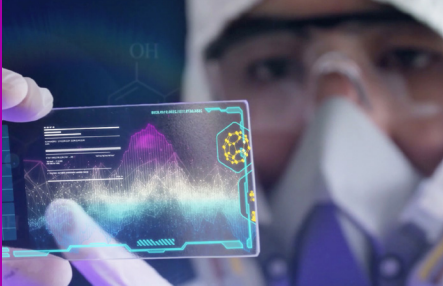
**Jacobs**  
Challenging today.  
Reinventing tomorrow.

**Resilience is the ability to survive, recover, adapt and thrive from chronic stresses and acute shocks.**

Becoming resilient means minimizing the impacts of climate change, extreme weather, natural disasters, urbanization and aging infrastructure, supply chain, regulations, health and cybersecurity threats so public entities and private citizens are safe and secure.

It also means increasing the capacity of individuals, communities, institutions, businesses and systems to continue to adapt and grow — no matter what adversities they experience.

Resilience is an attribute of a smarter planet, and it requires planning and adapting ahead of potential hazards. Resiliency helps city leaders and organizations alike strengthen and safeguard their communities and assets, save money, enhance sustainability, fuel growth and secure a more vibrant, prosperous future for generations to come.



**Keeping business, cities and whole communities safe, resilient and adaptable to change is one of our core competencies and one we proudly offer globally across markets.**

We delivered resilience on more than 1,000 projects in locations around the world. We focus on anticipating the impact of natural and man-made hazards to develop and deliver resilience — from protecting coastal communities, to providing critical healthcare facilities and delivering smart, connected and secure systems.

Across natural and built infrastructure our resiliency experts engage with clients and stakeholders across the project lifecycle, assisting in early hazard definition, evaluation, strategy development, design of solutions and full implementation, including operations and maintenance of organizational and infrastructure systems.

**50+**

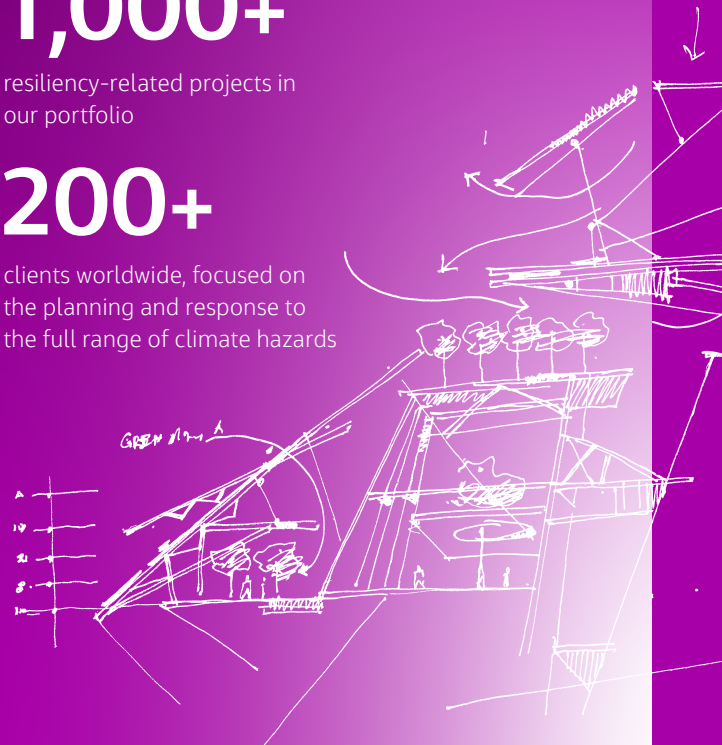
years of integrated resiliency solutions across markets

**1,000+**

resiliency-related projects in our portfolio

**200+**

clients worldwide, focused on the planning and response to the full range of climate hazards





### **Tyndall AFB Restoration, Florida, U.S.**

Following the category 5 Hurricane Michael, Tyndall Air Force Base near Panama City suffered immeasurable damage. Jacobs is developing the program to help the AFB not only recover, but transform into a visionary Installation of the Future.



### **Orange County Coastal Storm Risk Management, Texas, U.S.**

Jacobs is working with the U.S. Army Corps of Engineers, Galveston District, to design a levee and floodwall system along the coastline near Galveston, Texas. The nearly 27-mile system will provide coastal storm risk management and ecosystem restoration for the southeastern part of the Greater Houston area.



### **Thames Estuary Asset Management 2100, London, U.K.**

Serving as delivery partner for the design and development of an extensive program to protect flood defense assets along the 175-km tidal River Thames, we're incorporating a series of fortifications, embankments, flood gates, pumping stations, outfalls and major barriers to protect London.



### **Port of San Francisco Waterfront Resilience, California, U.S.**

Providing a proactive and innovative strategy for managing vulnerabilities to address present and future natural hazards, this program will improve safety and resilience, including the design and engineering of seismic and flood risk reduction measures for this busy, iconic waterfront.



### **Christchurch Hospital Outpatients Building, New Zealand**

Jacobs provided architectural and building engineering services for the new 5-story, 10,500-square-meter Christchurch Hospital Outpatients building, following an earthquake and catastrophic aftershocks.



### **Temaikū Land and Urban Development, Tarawa, Kiribati**

Jacobs assessed the feasibility of increasing the height of a 330-hectare area of land to approximately two meters above the highest measured sea level. We are also developing a conceptual land use plan that addresses resilience issues impacting the atoll, including rapid urbanization, limited water supply, ecosystem services and an increasing risk of land inundation from king tides.



### **Mahanagdong B Geothermal Power Plant Restoration, Leyte, Philippines**

Following a devastating earthquake in the Eastern Visayas region of the Philippines in mid-2017, Jacobs' power consulting team mobilized onsite with the Energy Development Corporation to assess damage, provide detailed design and manage the remediation project at the Mahanagdong B 60 MW geothermal power plant, which sustained severe damage.



### **Procter & Gamble, Singapore Innovation Center, Singapore**

From site selection and planning approvals to project completion, we led the entirety of design, engineering and construction management for this 335,000-square-foot urban R&D, pilot manufacturing and consumer testing facility.



### **Hinkley Point C Nuclear Power Station, Somerset, U.K.**

EDF's Hinkley Point C is expected to make a major contribution to the U.K.'s ambition to reduce carbon emissions, providing low-carbon electricity for around six million homes. Jacobs is supporting with wide-ranging professional technical and project management services and in a program delivery role.



### **Missile Defense Integration and Operations Center, Colorado, U.S.**

Jacobs provides a variety of services in support of the center and its mission, including supporting flight systems and ground systems testing and IT, cybersecurity and telecommunication solutions for the U.S. Department of Defense Missile Defense Agency's enterprise communications and information technology environment to help secure and protect the U.S.' most coveted assets.



### **Jacobs Intelligent Operations Network (ion)**

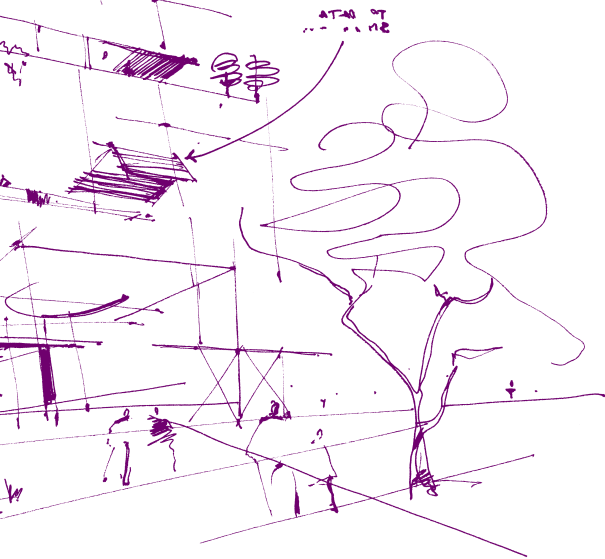
Jacobs' ion system is a comprehensive industrial wireless application networking system that provides an open, integrated, secure and scalable system for monitoring, managing and securing multi-vendor wireless devices and applications. Ion delivers, extends and manages the Industrial Internet of Things (IIOT) as the only open, intelligent and industrial application platform.



### **Emergency and Disaster Response Efforts, Puerto Rico, Caribbean, U.S.**

Jacobs is assisting the U.S. Department of Homeland Security's Federal Emergency Management Agency across 17 U.S. states and territories, providing post-disaster response and recovery efforts and hazard mitigation and future resiliency measures.





We provide comprehensive infrastructure, technology and intelligence solutions to help governments, cities and **survive, recover, adapt and thrive** when facing natural hazard, operational boundary, cybersecurity, biosecurity and finance-related risks, including:

- **Resilience Assessments** - We define natural and human-made threats to people, places and assets from public health security and cybersecurity to natural hazards and climate variability.
- **Organizational Excellence** - Evaluation and benchmarking of organizational processes and behaviors to understand potential gaps in the understanding and management of vulnerabilities to business and community continuity.
- **Emergency Management and Disaster Response** - From preparedness and mitigation to response, recovery planning and delivery, we do it all.



- **Resilient Design** - Once we understand the system needs and vulnerabilities, we develop solutions to provide long-term resilience. These include the following:
  - **Resilient Infrastructure** – Full life-cycle planning and design of capital works both in preparation for and in response to hazards.
  - **Green Solutions** - Integration of green infrastructure to improve resilience and enhance urban areas.
  - **Future-Proofing Solutions** - Climate and population change analysis to inform sustainable solutions.
- **Adaptation Planning** - Long-term investment planning to sustain business continuity and economic development in consideration of future uncertainties.
- **Program Finance and Delivery** - Operations and management, supply chain management, community and stakeholder engagement, finance, programming, monitoring and oversight support – aimed to helping design, finance, implement and operate resilience actions and programs.

## About Jacobs

At Jacobs, we're challenging today to reinvent tomorrow by solving the world's most critical problems for thriving cities, resilient environments, mission-critical outcomes, operational advancement, scientific discovery and cutting-edge manufacturing, turning abstract ideas into realities that transform the world for good. With \$13 billion in revenue and a talent force of more than 55,000, Jacobs provides a full spectrum of professional services including consulting, technical, scientific and project delivery for the government and private sector.

## Contact Us

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