Sustainability Consulting Services

Capability Statement
Jacobs Sustainability Consulting Approach

We help clients operate more efficiently, achieve cost savings, better manage risk, improve quality of life, and improve their social, economic, and environmental position. With our experience in sustainability strategy creation and delivery, Jacobs leverages our engineering and professional services to assist in setting tangible priorities, goals, and milestones while measuring and reporting results. We integrate sustainability from strategy and vision, to planning, design, implementation, and operations, and to sustaining the project or program over time; delivering whole of life benefits. Our work across the value chain in the raw materials, manufacturing, and services sectors gives us valuable expertise and a unique system view to help clients meet their goals by uncovering opportunities for smarter operations.

Global Locations

Headquartered in Dallas, Texas

Our Difference & Value

Jacobs bridges the policy-practice gap by delivering services through to project delivery & operations

OUR COMPANY AT A GLANCE

1947
Founded by Joseph J. Jacobs
50,000+
Employees
260+
Locations
40+
Countries
$15B
Annual revenue in FY2018
$3B
In documented client savings

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Our Internal Sustainability Approach

Jacobs’ corporate approach to sustainability is PlanBeyond - planning beyond today for a better future for everyone. We strive to positively contribute toward the UN Sustainable Development Goals, foster a culture of sustainability innovation, and be accountable up to the Board for delivering our sustainability strategy. We apply our PlanBeyond approach to client projects, and have developed JacobsSustainability+, a data capture tool for information on carbon savings, green buildings and energy incentives to measure the sustainability impacts of our projects.

Value by Design

Jacobs understands that providing value is much more than just offering low cost solutions, or meeting time and budget targets. It is about delivering whole of life costs which respond to and reflect the social, governance, environmental and economic setting over project delivery and legacy timeframes.

In view of this, Jacobs has developed a hands on, interactive ‘Value by Design’ workshop process, utilising tried and tested strategic planning tools and processes. The workshops identify the key risks and challenges for our clients; subsequently developing innovative, yet practical solutions that address the identified key risks and provide solutions that go beyond “business as usual” and deliver sustainable outcomes.

The workshop process allows us to work collaboratively with our clients to understand the nature of their issues, their strategic direction and encourages co-development of practical solutions that design out risks and design in long term value.
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<th><strong>Our Services</strong></th>
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| **Sustainability Intelligence** | ✓ Expert Jacobs consulting teams assess environmental, social and governance (ESG) factors to determine the impactful, material sustainability risks and opportunities faced by clients to help them:  
✓ Make well-informed enterprise risk management decisions  
✓ Mitigate risk or pursue opportunities to provide returns to investors, creditors and insurers.  
✓ Translate capital investment decisions into engineering solutions |
| **Sustainability Strategy** | ✓ Setting sustainability priorities via materiality assessments, scenario planning and peer benchmarking  
✓ Developing frameworks, goals, and metrics for strategy implementation |
| **Sustainability Reporting** | ✓ Reporting publicly on sustainability (e.g CDP, GRI etc.) to nurture trust and support from stakeholders  
✓ Leveraging our Environmental Health & Safety Information Management expertise for data |
| **Supply Chain & Product Sustainability** | ✓ Managing value chain impacts and driving sustainability priorities up and downstream through industry collaboration, supplier engagement  
✓ Life cycle analysis modelling |
| **Resource Productivity** | ✓ Promoting efficient use of critical resources (carbon, energy, water) using advanced tools to identify opportunities and drive improvements |
| **Sustainable Infrastructure** | ✓ Implementing infrastructure solutions in line with frameworks incl. CEEQUAL (2018), Envision, Infrastructure Sustainability (IS)  
✓ Applying our Resilient and Sustainable Infrastructure Framework to operationalize priorities across all projects and integrate triple-bottom-line evaluation.* |
| **Integrated Management Systems** | ✓ Developing integrated management systems (e.g. ISO 9001, 14001), and auditing and reporting against these systems  
✓ Guidance on continuous improvement of management systems accounting for evolving ESG risks and opportunities |
| **Program/Collaboration Management** | ✓ Supporting consortiums in tackling sustainability challenges |
Project Highlights
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Strategy

Palace of Westminster
Development of a sustainability strategy for the multibillion programme to renew and refurbish the Palace of Westminster. The strategy is backed by policies, procedures and objectives which will be used promote a systematic approach to sustainability throughout design, build and operation.

Transmission Network Provider
Created environmental sustainability metrics aligned with stakeholder expectations, and a simple template for reporting progress internally.

Confidential footwear brand
Supported creation of Corporate Water Stewardship Strategy for the Value Chain including innovation around water neutral cotton to restore natural capital and reduce risks.

Reporting

Australian Energy Company
Undertook a mock assessment of Carbon Disclosure Project (CDP) reporting, in advance of submission to inform business improvements for climate and carbon related matters.

Consumer Goods
Reported environmental and sustainability benefits across whole value chain in line with public reporting commitments.

U.S. Electric Utility
Assured compliance of Sustainability Reports with the Global Reporting Initiative (GRI) reporting framework for 7+ years. Conducted materiality assessment to identify and address material risks and opportunities in the company’s operations and supply chain.
Project Highlights

Resource Productivity

Zero Waste Scotland
Promoting the circular economy across four key sectors – Energy, Construction, Manufacturing, and Bioeconomy. Our role is to work with small businesses to develop their innovations into more robust business models and get them one step closer to commercialisation.

Coca Cola
Provided multi-year carbon management and footprinting services to reduce the volume of packaging utilised in European bottling plants. The project was a finalist in the Edie Leader’s Sustainability Awards in January 2018.

High-tech manufacturer
Enacted global resource management program for a high-tech manufacturer to track and report dollar savings while reducing energy, water, and greenhouse gas emission impacts. Progressed the program from simple energy audits to a global, fully-integrated management system that continually identifies and tracks resource conservation opportunities to inform public-facing communications and disclosures.

Supply Chain & Product Sustainability

Personal Care Manufacturer
Identified highest priority suppliers to target and improve client’s overall supply chain sustainability; conducted follow-up audits on riskiest suppliers to ensure compliance.

Independent Power Producer
Assessed sustainability risks and opportunities in supply chain, including fuel sources and non-fuel procurements.
**Project Highlights**

### Sustainable Infrastructure

**Confidential Port**  
Moved entire port, planned to be world’s largest container terminal, by 500m and built a seawall to protect an important reef.

**Alexandria Renew Enterprise**  
Guided pursuit of the Envision Platinum rating from the Institute For Sustainable Infrastructure for client’s Nutrient Management Facility.

**World Business Council for Sustainable Development**  
Created online platform and tools to help clients build business case for natural infrastructure solutions leveraging decision tree and checklist tools and resource guides.

### Integrated Management Systems

**Confidential Agricultural Processor**  
Coordinated ISO14001 Environmental Management System implementation in 12 countries in Europe, through a gap analysis, action plan, and webinar sessions with the various sites.

**Chevron Global Downstream**  
Conducted waste disposal facility auditing for compliance with client requirements for waste management facilities in Europe.

### Program / Collaboration Management

**London Olympic and Paralympic Games**  
Development of a robust sustainability legacy plan that provided national benefits in culture, sport, volunteering, business and tourism, as part of an international programme management consortium.

**ZDHC - International Apparel Consortium**  
Provided tools to enable members to phase out the hazardous chemicals in their supply chains, and provided communication tools, common platforms, and incentive structures to leverage the collaboration’s power.
Beyond sustainability consulting, Jacobs team members develop their capabilities across a spectrum of engineering and professional services including management systems, information management, decision-making support, resiliency, management consulting, organizational change, and communications. We provide these specialised services alongside traditional engineering design, build, and operate capabilities, including the following:

**CLIMATE RISK & RESILIENCY**
Comprehensive infrastructure, technology and intelligence solutions to adapt, mitigate and recover from climate, cybersecurity & biosecurity-related risks.

**ASSET DESIGN**
High performance design with integration of architectural and engineered systems.

**ASSET DEVELOPMENT**
Built environment master planning, certifications and green construction.

**OPERATIONS & MAINTENANCE**
Leading processes, integrated management systems, technologies, governance, performance measurement, efficiency and certifications.

**CLEAN WATER**
Surface, ground, desalination, storm, flood, conveyance, waste, reuse and environmental flow.

**ENERGY**
Technical and environmental services critical to renewable and distributed energy technologies.

**ENVIRONMENTAL SOCIAL & GOVERNANCE**
Expertise in managing outcomes and positively reflecting those results across environmental, social and governance indicators for stakeholders.

**GREENHOUSE GAS**
Greenhouse gas protocol measurement, verification and mitigation strategies.

**CLEAN AIR**
Leading monitoring, modeling, analysis, quality, pollution control, and permitting.

**APPLIED SCIENCE**
Analytical chemistry (wet chemistry, inorganics, and organics), air toxics, aquatic toxicology, treatability, and consulting.

**ECOSYSTEMS**
Planning, remediation, restoration, regulatory compliance, and natural capital.

**WASTE**
Materials, forward-reaching waste, recycling, and circular economy and diversion programs.
### Sustainability Consulting Contacts

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