Sustainability Consulting Services

Capability Statement
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.

Jacobs Sustainability Consulting Approach

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Global Locations

Headquartered in Dallas, Texas

OUR COMPANY AT A GLANCE

1947
Founded by Joseph J. Jacobs

77,000
Employees

400+
Locations

40+
Countries

$10B
2017 Revenues

$2.72B
2017 Client Savings

Our difference and value

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

Business management consultants stop here

Incremental Value

Organisation Strategy  Strategic Risk  Project Concept  Project Design  Project Delivery & Operations

G R O W I N G S U S T A I N A B I L I T Y

F O C U S AND P R O J E C T C O M P L E X I T Y

Project drivers that are necessary to address include:

• Client business objectives
• Strategic risk
• New legislation
• Finance sector performance standards (IFC, Equator Principles)
• Supplier accreditation
• Public reporting
• Reputation.

New issues are driving change, reflecting a growing focus on sustainability.

FRAMEWORKS FOR SMART SOLUTIONS

The frameworks apply from strategic, corporate levels of our client organisations to project design and delivery. From strategy through to project they help create innovative, integrated solutions that are lower cost and risk. Based upon a systems approach as well as organisational and behaviour change, they contribute to transformative change – not just incremental improvement.

Purpose

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OUR COMPANY AT A GLANCE

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Fra meworks for integrated, innovative responses
Jacobs’ corporate approach to sustainability is PlanBeyond - planning beyond today for a better future for everyone. PlanBeyond helps us look beyond our company to how we contribute as a global corporate citizen.

**PLANBEYOND**

We strive to positively contribute toward the UN Sustainable Development Goals, foster a culture of sustainability innovation, and be accountable up to 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 sustainability impacts of our projects.

**Value by Design**

Jacobs understand 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.
Our Services

We develop sustainability solutions which go beyond business as usual that help clients:

- Operate more efficiently
- Achieve cost savings
- Improve social, economic, environmental and governance position
- Better manage risk
- Improve quality of life.

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<th>Service</th>
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| **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 collection and analytics |
| **Product and Supply Chain**| - 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 natural infrastructure solutions in line with frameworks incl. CEEQUAL (2018), Envision, Infrastructure Sustainability (IS) |
| **Environmental, Social & Governance Assessments and Implementation** | - Assessments and Implementation  
  - Developing integrated management systems (e.g. ISO 9001, 14001), and voluntary and regulatory reporting |
| **Program/Collaboration Management** | - Supporting consortiums in tackling sustainability challenges |
Project Highlights
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**Strategy**

Palace of Westminster (POW)
Developed sustainability strategy to renew and refurbish the Palace, including policies, procedures and objectives to integrate 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.

Canadian Oil Sands Producer
Developed greenhouse gas management strategy using scenario planning, influence diagrams & decision trees to understand potential cost outcomes under two scenarios.

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 Oil and Gas 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
Evaluated Sustainability Reports relative to the Global Reporting Initiative (GRI) reporting framework for 7+ years.
Project Highights

Supply Chain and Project

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.

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.

Confidential Mining Client
Reported environmental and sustainability benefits across whole value chain in line with public reporting commitments.

Coca Cola
Provided multi-year carbon management/carbon footprinting services to reduce the volume of packaging utilised in European bottling plants. The project was nominated for an Edie Leader’s Sustainability Award in January 2018.

Sustainable Infrastructure

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

Alexandria Renew Enterprise
Developed strategy and weighted decision model for the design alternatives evaluation of wastewater utility upgrade projects, earning the Envision Platinum Rating from the Institute for Sustainable Infrastructure.

World Business Council for Sustainable Development
Lead a cross-disciplinary team of The Nature Conservancy, The Dow Chemical Company, Shell, and 30+ other companies to develop materials for the Natural Infrastructure for Business (NI4Biz) Platform to increase awareness of the business opportunities of investing in natural infrastructure and to scale up action.
Project Highlights

Environmental, Social & Governance Assessments and Implementation

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.

Confidential Oil Producer
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.

About Jacobs

At Jacobs, our focus on building long-term client relationships has helped us become one of the largest and most diverse providers of technical, professional and construction services, including all aspects of architecture, engineering and construction, operations and maintenance, as well as scientific and specialty consulting. Our 77,000 employees in 400+ locations around the world serve a broad range of companies and organisations, including industrial, commercial, and government clients across multiple markets and geographies.

More than 95 percent of our work is repeat business. We get to know our customers’ businesses intimately, and partner with them to help them achieve their objectives. That commitment to our clients produces consistent cost advantages, profits and growth, allowing us to attract and retain the industry’s top talent. Our strict dedication to safety and uncompromising ethics create a work environment that promotes employee progress and helps generate nearly $15 billion in annual revenue.

We measure the value we bring to clients every day — wherever in the world they may be, in any industry or technical discipline. In fact in 2017 we produced $2.8 billion in client savings through our JacobsValue program, a major accomplishment.
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 specialized 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 climates, cybersecurity and 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.

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

**Environmental, Social, and Governance**
Expertise in managing outcomes and positively reflecting those results across environmental, social, and governance indicators for stakeholders.

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

**Greenhouse Gas**
Greenhouse gas protocol measurement, verification, and mitigation strategies.

**Clean Air**
Leading monitoring, modeling, analysis, quality, pollution control, and permitting.

**Clean Water**
Surface, ground, desalination, storm, flood, conveyance, waste, reuse, and environmental flow.

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

**Waste**
Materials, forward-reaching waste, recycling, and circular economy and diversion programs.
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