



→ ICTs and low-cost, clean energy sources can benefit developing-country citizens and governments in the face of changing environmental conditions.

Energy and the Environment

Vital Wave brings broad ICT and business development experience to engagements that focus on sustainable energy and the environment.

Developing countries face complex environmental challenges due to climate change, pollution, habitat loss, natural disasters, and the negative impact of tourism. These problems can undermine progress in health, agriculture, education, and public services, and they have a disproportionate impact on the poor, women, and other vulnerable populations. In fact, the 2009 Human Impact Report asserts that four billion people are potentially impacted by climate change through reductions in agricultural productivity, food security issues, water scarcity, increased disease incidence, extreme weather events, desertification, and biodiversity loss.

The negative effects of climate change are exacerbated by the continued burning of fossil fuels. Governments are pushing to provide electricity to the 1.3 billion people who live without it, often through the construction of coal- or oil-fired power plants. And 2.7 billion people still use dirty energy such as biomass for cooking. Sustainable energy and climate change are addressed in 4 of the 17 Sustainable Development Goals, and they are an increasingly common priority for the development community.

Vital Wave partners with development organizations, governments, and the private sector to understand and develop solutions to complex environmental problems, with a focus on information and communication technologies (ICTs) and sustainable, low-cost energy. The company works at the intersection of environmental issues and agriculture, women, urban development, and health to help developing countries manage the effects of climate change.



KEY PROJECTS

- » Assessment of Climate Change Impact on Urban Coastal Areas
- » “Path to Market” Strategy for a Consumer Clean Energy Device
- » Strategic Visioning and Session Facilitation for the Global e-Sustainability Initiative (GeSI) Board of Directors
- » Mexico Tourism Strategy and Market Development
- » Ecotourism Development in Yunnan Province, China

Vital Wave’s services cover all phases of a project lifecycle, from *Strategy and Advocacy*, to *Implementation and Management*, and *Optimization and Institutionalization*. The company’s services help development organizations and their partners:

- ▶ Achieve social and environmental sustainability of programs
- ▶ Assess and minimize human or material costs of natural disasters
- ▶ Support the extension of clean, low-cost energy alternatives
- ▶ Promote the development of efficient, sustainable supply chains that reduce waste and pollution

Vital Wave brings broad ICT and business development experience to engagements that focus on sustainable energy and the environment. This includes:

- ▶ Experience working with leading foundations on climate change mitigation strategies
- ▶ History of working with foundations and start-ups on business strategies for alternative energy technologies
- ▶ Engagement with emerging-market governments on sustainable development programs
- ▶ Field experience in urban and rural communities in developing countries

Contact Vital Wave or visit vitalwave.com for relevant case studies or free copies of useful reports focusing on energy and the environment.

About Vital Wave

Vital Wave provides end-to-end services to scale information and communications technology (ICT) solutions for socioeconomic impact in developing countries. The firm works with multiple stakeholders to deliver technology solutions that amplify the reach, uptake, and efficiency of development programs. Vital Wave draws on a full range of enterprise-level ICT implementation capabilities, proven methodologies, and decades of field experience in developing countries to achieve sustained growth at scale.