Title of case study	**Climate resilient reconstruction**
Name of organization(s)	**Royal Engineers and Consultants**
Business sector	Construction & Engineering
Region(s) relevant to case study	☐ All regions ☐ Africa and the Arab States ☐ Asia and the Pacific ☐ Caribbean and Central America ☐ Europe ☐ Least Developed Countries ☒ North America ☐ Polar regions ☐ Small Island Developing States ☐ South America
Country(s) relevant to case study	United States of America
Adaptation sector(s) relevant to case study	☐ Business ☐ Education and training ☐ Food security, agriculture, forestry and fisheries ☐ Human health ☒ Oceans and coastal areas ☐ Science, assessment, monitoring and early warning ☒ Terrestrial ecosystems ☐ Tourism ☒ Transport, infrastructure and human settlements ☐ Water resources ☐ Other (please specify):
Adaptation activity	Royal Engineers and Consultants is a small company headquartered in New Orleans that operates in communities along the Gulf Coast in Louisiana, Alabama, and Texas. The company works in the areas of civil engineering, construction and construction management, coastal and environmental engineering, and project management. In designing marsh restoration projects, such as a project in the northern shoreline of Lake Merchant in Louisiana, engineers employed by Royal have considered long-term sea level rise rates and account for these rates in choosing ecosystem management practices that support

	marine life and natural vegetation. In Cameron Parish, Royal led and coordinated the workflow for a large Hurricane Rita reconstruction program consisting of approximately 60 individual projects. Royal helped the parish select and prioritize projects based on a set of sustainability-related criteria and incorporated retrofits to protect against future flood and storm damage. Royal Engineers performed geotechnical inspections of New Orleans city buildings that were damaged during Hurricane Katrina to determine whether they were structurally safe enough to rebuild. Buildings for the city's Office of Recovery Management were then rebuilt to be more likely to withstand future hurricanes. In the rebuilding process, the company utilized green building materials and technologies when possible.
Cost-benefit	Climate resilient reconstruction is a core part of Royal's business model. The company grew from 5 employees to more than 150 immediately following Hurricane Katrina. Royal creates jobs for a range of skill levels in the Gulf Coast region, that help to strengthen communities' ability to prepare for and respond to intense storms and sea level rise.
Case study source(s)	A Fresh Look at the Green Economy: Jobs that Build Resilience to Climate Change (Oxfam)