

# THE SUSTAINABILITY PLAN. FOUR SIMPLE STEPS.

# 4

## STEP 04 STRATEGY

Embedding sustainability into your business's strategy means building compliance, efficiency and opportunity into everyday decision-making to ensure your continued success.

# 3

## STEP 03 OPPORTUNITY

The third step is to seize opportunities for growth through projects, products and services that value your community and environment, for which demand is growing.

# 2

## STEP 02 EFFICIENCY

Efficient use of resources is the second step. Each of these efficiencies reduces environmental and social impact while saving costs and increasing productivity.

# 1

## STEP 01 COMPLIANCE

The first step on the path to effective sustainability is compliance with policies, regulations, standards, codes of practice, permit and licence conditions.

# TRUE SUSTAINABILITY IS ABOUT INTEGRATED SOLUTIONS. AT GHD WE WORK TO BRING OUR DIVERSE STRENGTHS TOGETHER, GENERATING A BETTER OUTCOME FOR ALL.

### ABOUT GHD

GHD is an international professional services company. Our people deliver innovative solutions by combining technical skill and experience with an understanding of our clients' objectives and aspirations.

With more than 6500 people in a network of 100-plus offices throughout Australia, New Zealand, Asia, the Middle East, the Americas and Europe, we serve clients in the global market sectors of infrastructure, mining and industry, defence, property and buildings and the environment.

Central to our clients' prosperity and GHD's success are forward-thinking engineers, architects, planners, scientists, drafters, project managers, economists and supporting staff. Our people embrace the core values that have sustained the company since inception – Teamwork, Respect and Integrity.

Established in 1928, GHD is ranked as one of the world's leading engineering, architecture and consultancy firms. We are dedicated to our clients and their stakeholders, to being a responsible corporate citizen and to improving the quality of life around the world.

We contribute to the goals of sustainable development and are committed to managing the social, economic and environmental impacts of our operations and assisting our clients to manage theirs in the provision of our technical consulting services. We recognise innovation as the key to realising this objective.

As a member of the World Business Council for Sustainable Development (WBCSD), GHD actively participates in the public debate on the role business has to play in managing climate change, energy, development and ecosystems.

GHD is also a member of the Green Building Council of Australia (GBCA), a founding member of the Australian Green Infrastructure Council (AGIC) and is represented at the Global Reporting Initiative stakeholder council.

GHD operates under a Practice Quality Management System that is certified to AS/NZS ISO 9001:2000 and our Environmental Management System (EMS) is accredited to international standard ISO 14001 by NATA Certification Services International (NCSI).

For more information, visit [www.ghd.com.au](http://www.ghd.com.au)



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# SUSTAINABILITY WITH PROFITABILITY? WE CAN DO THAT.



[www.ghd.com.au](http://www.ghd.com.au)

FINDING IT HARD  
TO WORK OUT WHAT  
SUSTAINABILITY  
MEANS FOR YOUR  
BUSINESS?

WHILE THE WORLD TALKS ABOUT THE PROBLEM,  
GHD HAS DELIVERED SUSTAINABILITY PROJECTS WORLDWIDE.

WE MAKE IT EASY –  
FOUR SIMPLE STEPS,  
WHICH REFLECT  
BUSINESS NEEDS  
AND CLEAR REASONS  
TO ACT.

**WHY ACT NOW**

There are a number of reasons you may need to act on sustainability. Perhaps it's because of regulatory changes. Or you may need to cut costs, improving environmental performance at the same time. Maybe you want to capitalise on strong growth in consumer demand for, and investment in, sustainable technologies, products and services. Whatever the reason, you don't need another definition of sustainability or a crash course in the science of global warning. You just need to know how to address these issues.

**WHY GHD**

At GHD we bring together diverse strengths and experience in a global network of more than 100 offices and 6500 employees. Our people run the gamut from architects to zoologists and they create innovative sustainability solutions for projects as diverse as bridge building and food processing.

**OUR APPROACH**

Our four-step approach reflects business drivers and provides a clear decision-making framework. It also helps identify the next step for performance improvement no matter where you're at. And it indicates clear reasons to act without the usual scare tactics.

## 4 STEP 04 | STRATEGY

**TRIPLE BOTTOM LINE**

GHD designed a TBL toolkit to enable Orange County Sanitation Division to quantify and compare economic, social, environmental and governance impacts for infrastructure projects.

**SUSTAINABLE DEVELOPMENT**

GHD has helped develop Fremantle Port's Outer Harbour into a world-class future-proof port with a focus on ecological communities and existing flora, fauna and coastline.

**CLIMATE CHANGE 'PROOFING'**

GHD has advised on planning for the potential effects of climate change on Rio Tinto's Australian operations including coal, alumina, iron ore and diamonds.

## 3 STEP 03 | OPPORTUNITY

**ENERGY**

GHD with Alinta delivered gas-fired cogeneration for the Alcoa Pinjarra Alumina refinery, which provides 280 MW of electricity and 840 tph of steam at an efficiency of 75 percent.

**BUILDINGS**

ZERO is GHD's unique building concept. It consumes zero net annual external power and creates zero operating CO<sub>2</sub> emissions. A humane, sustainable, efficient, wise and beautiful solution.

**TRANSPORT**

Virgin Blue offers carbon neutral flights based on a greenhouse gas life cycle assessment and emissions monitoring plan developed by GHD.

## 2 STEP 02 | EFFICIENCY

**WATER**

GHD developed a practical sustainable water management plan to reduce reliance on portable water, saving the VRC Flemington Racecourse 270 million litres each year.

**ENERGY EFFICIENCY**

GHD has designed sun-tracking shading for high-rise buildings. The solar powered 'skin' outside the building follows the sun's path through the day to significantly cut air-conditioning.

**WASTE**

GHD helped The South Australian Brewing Company save over \$500,000 in two years through minimising waste in brewing and packaging.

## 1 STEP 01 | COMPLIANCE

**ENVIRONMENTAL MANAGEMENT**

Forestry plantations are inspected annually and audited by GHD for managed investment scheme plantations throughout Australia.

**SOCIAL SUSTAINABILITY**

GHD is working with the South Eastern Integrated Transport Association to deliver the community consultation and issues management program for the Frankston Bypass.

**URBAN PLANNING**

Working with Wellington Shire and the Victorian Government, GHD advised on the management of climate change risk and sustainability for development at the Ninety Mile Beach coastline.