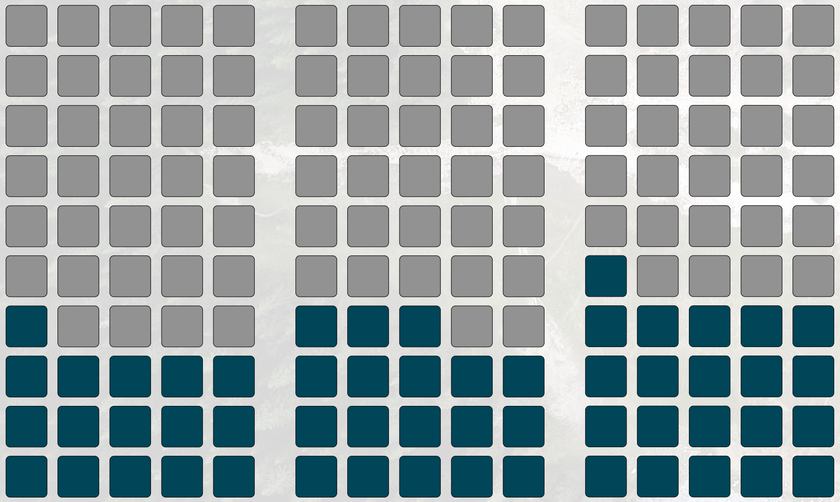
Driving Sustainability

PILLARS OF SUSTAINABILITY



** One square equals $3 trillion dollars in GDP

ENVIRONMENTAL CLIMATE CRISIS

More frequent and severe extreme weather events are significant proof of our unpredictable climatic conditions that, over time, will continue to expose global business and infrastructure to catastrophic risks, with the potential to destabilise the world economy[1]. The telecom sector has been on of the cornerstones of successful globalisation. But, given its deep communication networks and existing infrastructure, it needs to quickly innovate to reduce its overall footprint & reduce electronic waste across our planet.

CARBON FOOTPRINT

The telecom industry has seen a massive growth in devices and as a result, the build out of supporting infrastructure especially in communication and networks with the growth of RAN (Radio Access Networks). When considering the sum of all these devices, the overall consumption of energy is tremendous which in turn drives a heavy carbon footprint on the environment. Here, a hasty decarbonisation strategy is central to reducing overall emissions.

WASTE REDUCTION

The telecom sector has a high carbon footprint on the environment, especially in electronic waste. According to the World Economic Forum, this is the fastest growing waste stream in the world and averages ~ 20 kg per capita. The telecom sector is a sizeable contributor to this growth rate and is a critical cog in the wheel of sustainable change.

ENVIRONMENTAL CLIMATE CRISIS

The climate crisis requires a complete overhaul in the way we make develop infrastructure for the future. With the explosion of data and devices, and an ever increasing population, the telecom sector is going to be responsible for massively reducing the carbon footprint on our planet. This sector addresses consumers but also business that rely on clean ways to communicate across the globe. Organisations in this sector need to quickly transform themselves to develop materials that are able to withstand circular use and also reduce the fastest growing waste steam in the world - electronic waste.

CARBON FOOTPRINT

According to the the Boston Consulting Group, the ICT industry could be responsible for nearly 14% of global carbon emissions by 2040. This is an uphill battle given connectivity and communications is a critical part of providing the worlds growing infrastructure needs. 5G is expected to lead to a rapid rise in data use as it finds more applications in both industrial and consumer settings, with research suggesting that the 5G ecosystem will lead to 160% increase in power demands by 2030[2]. This is also where a telco strategy consolidating the components of the RAN help reduce overall resource consumption & lead to lower power utilisation.

WASTE REDUCTION

Historically, the telecom industry has been slow to thread sustainability into core business strategy, with massive investments required upfront to build infrastructure networks and wait years to start to see a return on investment. But lately, creating a more environmental friendly infrastructure has become a core part of the business strategy. By embracing a circular approach, the telecom industry can deliver a huge impact in the reduction of electronic waste.

Sustainability

POWERED BY TECHNOLOGY

= ▲ Accelerated change

PLANET

CARBON FOOTPRINT

REDUCE E-WASTE

ENERGY STRATEGY

With the growth in technology & our ever increasing data footprint, we must remain conscious of the impact our IT estate has on the planet. At current rates, technology is predicted to outpace other industries in its carbon emissions and contribute nearly 5.5% of global CO2 emissions by 2025[3]. Fortunately, the technology sector has a lower CAPEX footprint, placing it in prime position to evolve quicker than its peers and deliver technologies to industry to reduce climate risk in investment portfolios, help track Scope 3 emissions & decarbonise the supply chains.

PEOPLE

GENDER EQUITY

ETHICS

Skills for the future increasingly rely on a strong background in STEM. We must ensure equal opportunities for both women and men and help reset the gender imbalance in technology roles. In parallel, with the explosion of data, technology has the ability to empower organisations to build in security, trust and transparency into the way they manage and use people's data.

AMAZON WEB SERVICES

AMAZON CLIMATE FUND

In June 2020, Amazon announced a $2 billion Climate Pledge Fund to invest in organisations catalysing the transition towards a low-carbon economy. This reinforces their commitment towards net zero carbon across the entire business value chain by 2040, 10 years ahead of the Paris Agreement. 6 months later in Dec 2020, Amazon became the largest buyer of renewable energy on the planet, procuring 8.5 GW of energy for its global operations[4].

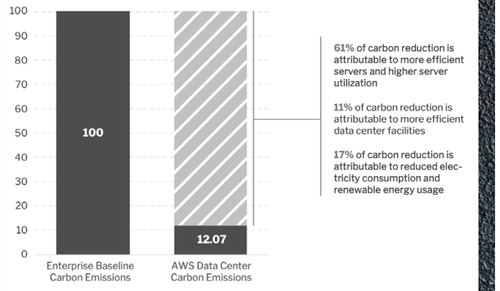
100% RENEWABLE BY 2025

Amazon Web Services (AWS) has committed to running their entire cloud infrastructure in the most environmentally friendly way & achieve 100% renewable energy usage for their global cloud data centres. This will give organisations a platform to migrate their existing IT estate and offset their potentially very large CO2 footprint.

WATER EFFICIENCY

AWS has multiple initiatives to improve their water use efficiency and reduce the use of potable (drinking) water for cooling data centres. Taking a holistic approach, they assess both the water and energy usage of each potential cooling solution to select the most efficient method - using evaporative cooling, recycled water, on-site water treatment & water efficiency models.

"When we factor in the carbon intensity of consumed electricity and renewable energy purchases, AWS performs the same task with an 88% lower carbon footprint." – 451 Research



SOCIAL EQUITY

100 CENTS PER $

In 2020, women earned a dollar for every dollar that men earned performing the same jobs.

99.2 CENTS PER $

In 2020, minorities earned 99.2 cents for every dollar that white employees earned performing these same jobs.

SPLUNK

DATA DRIVEN

Splunk is committed to avoiding, minimising, mitigating, and offsetting our impacts on the environment. We accept the Intergovernmental Panel on Climate Change's (IPCC) assessment of climate change science and have set initial targets for achieving net zero greenhouse gas emissions by 2050 per the Science Based Target initiative (SBTi) 1.5°C ambition level.

Splunk follows The Climate-Related Financial Disclosures (TCFD), Sustainability Accounting Standards Board (SASB) and GRI Standards for measuring and reporting its energy and greenhouse gas emissions footprint and is committed to environmental transparency via the CDP Climate Change Questionnaire disclosure process. We aim to bridge the data divide to harness data to solve some of humanity's greatest challenges, which includes ethical and inclusive growth, and the broader societal issue of data ethics and security.

THE GREEN ACCELERATOR

As a collective, we are facing the most critical challenge of our lifetimes, with many organisations focused on delivering on climate positive changes and carbon reduction targets.

To truly catalyse these efforts and move at speed, organisations will have to adopt strategic use of partnerships and data in business operations and decisioning to drive proactive change in sustainability efforts.

Committed to sustainability as a fact-based, data-driven technology alliance, Splunk + AWS are uniquely positioned to give organisations a head start in their own sustainability efforts as part of the larger fight against climate change.

CONTINUOUS MONITORING

Progress indicators provide real-time feedback on an organisations' sustainability footprint

IMPACT DRIVEN DECISIONS

Focus on real-world impact & harness resources to drive faster sustainable change

COLLABORATE FOR CHANGE

Share data and work with a wider community of clients and partners to accelerate sustainability adoption

01 GREEN TECHNOLOGY

As technology investments grow, they add tremendous pressures on an organisations' carbon footprint. With the ICT industry[2] set to contribute 14% of global GHGs by 2040, a green IT strategy is a necessity we must afford.

02 CLOUD FOR THE PLANET

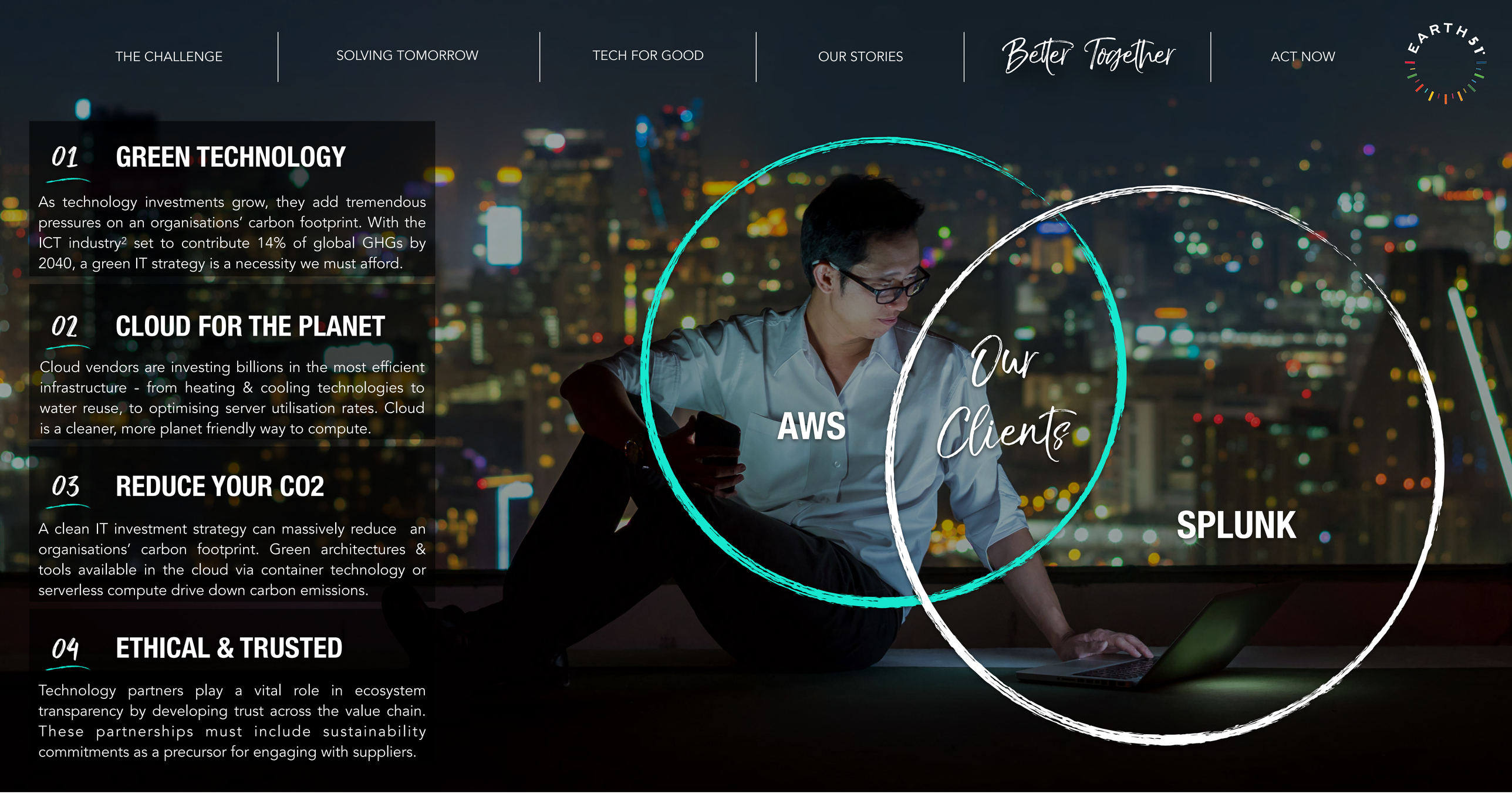
Cloud vendors are investing billions in the most efficient infrastructure - from heating & cooling technologies to water reuse, to optimising server utilisation rates. Cloud is a cleaner, more planet friendly way to compute.

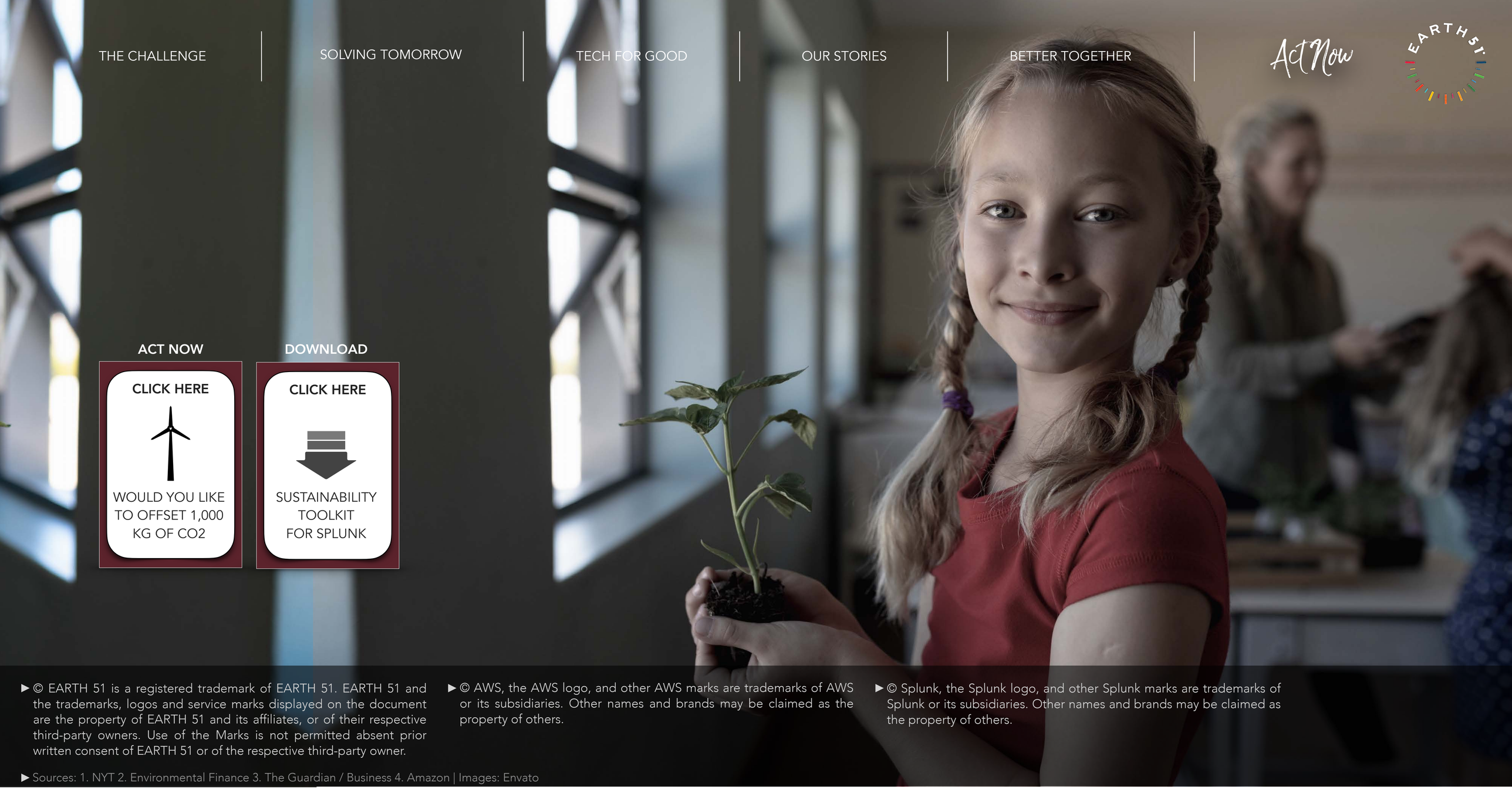
03 REDUCE YOUR CO2

A clean IT investment strategy can massively reduce an organisations' carbon footprint. Green architectures & tools available in the cloud via container technology or serverless compute drive down carbon emissions.

04 ETHICAL & TRUSTED

Technology partners play a vital role in ecosystem transparency by developing trust across the value chain. These partnerships must include sustainability commitments as a precursor for engaging with suppliers.





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WOULD YOU LIKE TO OFFSET 1,000 KG OF CO2

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SUSTAINABILITY TOOLKIT FOR SPLUNK

► Sources: 1. NYT 2. Environmental Finance 3. The Guardian / Business 4. Amazon | Images: Envato