



2022

Environment and Sustainability Strategy

What a phenomenal privilege to work on a project of such national significance. We have the opportunity to drive the industry forward, doing things better than they have ever been done before.

The world is at a tipping point, climate change and the impacts of rising temperatures are playing out daily and the need for a net-zero future is on the front page. HS2 is part of the solution, and the HS2 London Tunnels IPT are determined to leave a positive legacy – for society and our industry. We all have a part to play.



Our Purpose Leaving a positive legacy

This Environment and Sustainability Strategy links directly to delivering our integrated team purpose of leaving a positive legacy, with the specific goal of industry-leading environmental management



Delivering on our promises

Promises to the country

Promises to HS2

Promises to the parent companies

Delivering on our promises to each other

our enablers

Thriving together through collaboration

Great, diverse, empowered people

Being operationally excellent



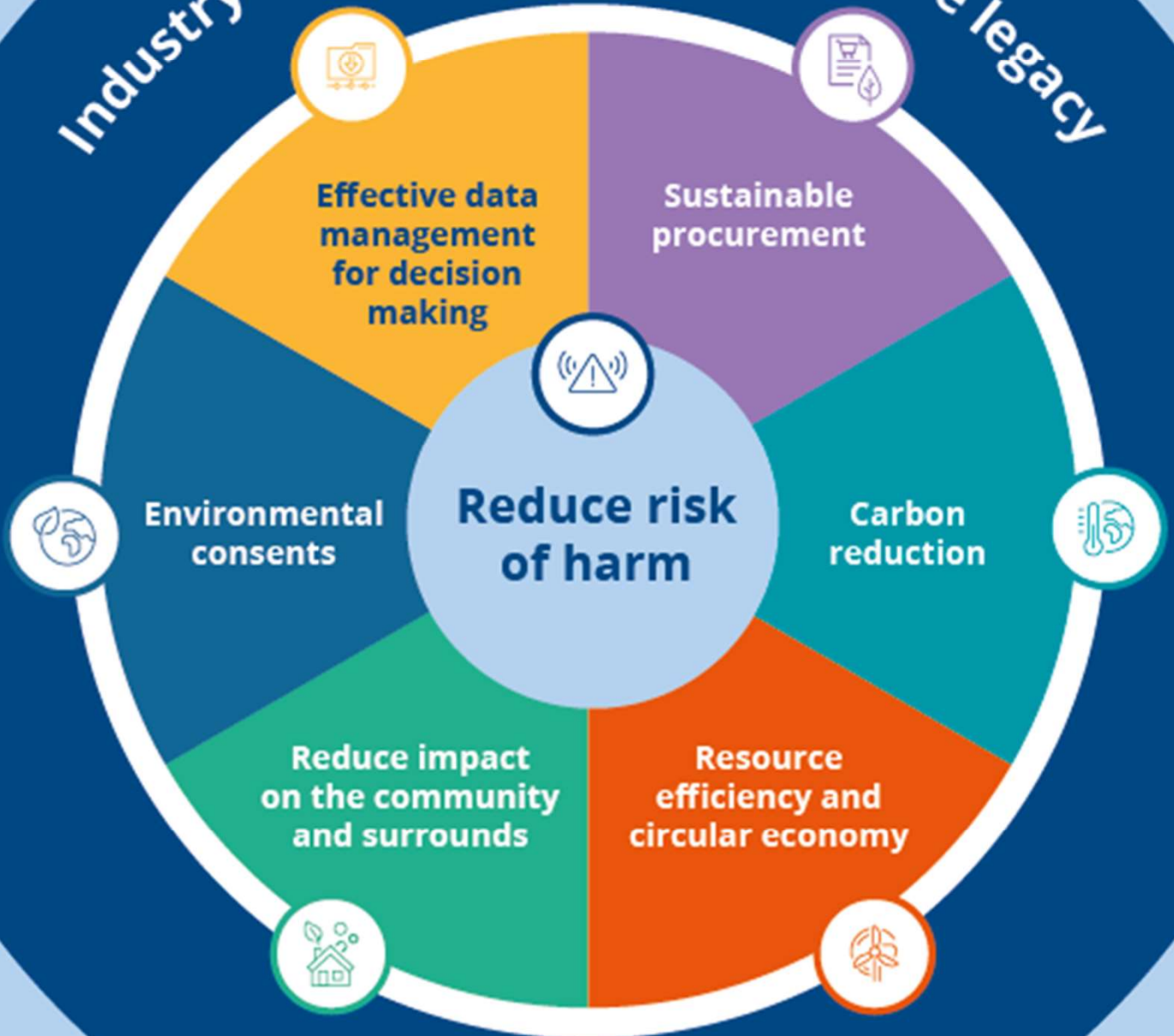


UN development goals

SCSJV and its parent companies support the United Nations' 17 Sustainable Development Goals. These Global Goals are closely linked to the aims of a number of our departments including Health and Safety, Environment & Sustainability, Consents and Engagement and both the Skills, Education and Employment (SEE) and Equality Diversity and Inclusion (EDI) teams.

This strategy focuses on, and delivers against, Goals 11 to 15 most directly.

Industry leading | Leaving a positive legacy



The strategy is developed around these 8 themes

The core of which is reducing risk of harm. It then encompasses six topics that all in their own right aspire to be delivered to an industry leading standard.

Our key environmental themes

Structured around the core fundamentals of environmental management, avoiding and reducing the risk of harm, the strategy then has a pathway of six interlinked themes of increasing sustainability focus to achieving a positive legacy.

By having established process in place where risks are identified, managed and checked through audits and inspections, we strive to reduce the risk of harm through training and assurance activities.

This in turn reduces our impacts on communities and ensures we adhere to our environmental consents, continuing through to broader sustainability topics.

We will source sustainable materials and have a supply chain who support us in achieving our goals, driving carbon reduction and working efficiently with resources towards a more circular economy thinking.

Our key environmental themes



Reduce risk of harm

Training, incidents, engagement, inspections and audits



Reduce impact on community and surrounds

Air Quality, Noise and Vibration, Water Quality, Ecology and Biodiversity
Considerate Constructors Scheme



Environmental consents

Timely collection of information and submission of consents, Building strong relationships with stakeholders



Carbon reduction

PAS 2080, Build Clever - Permanent structures - material selection, Build efficiently - Construction impact through plant and electricity



Sustainable procurement

Competent supply chain, Legal, sustainable and ethically sourced materials



Effective data management for decision making

Data management and Reporting, data collection, automation and systems



Resource efficiency and circular economy

Temporary structures and materials, Secondary materials, encouraging reuse and recycling
Rethinking processes

Achieving these key themes will deliver our ultimate goal of being industry leading and leaving a positive legacy.

Reduce risk of harm

We are committed to getting the basics right, centred around **doing what we said we would do** and delivering our works in line with ISO 14001:2015 – topics covered include training, inspections, audits, engagement and incidents



End Goal

No Significant Harm to the Environment occurred through our work

Reduce impact on community and surrounds

We are committed to reducing our impact on the community and surroundings in which we operate – topics covered here include air quality, noise and vibration, water quality, ecology & biodiversity. Our performance in line with the considerate constructors scheme also sits here.



End Goal

London Tunnels IPT are a welcome part of the community

Environmental Consents

We are committed to reducing our impact on the environment through the consents & permits we seek. These will be sought in a timely fashion with high quality applications and developed through good relationships with the consent granting bodies



End Goal

No delay to construction programme due to late consent submissions and approvals (within London Tunnels IPT control)

Effective data management for decision making

We are committed to becoming more efficient through improved environmental data management & reporting - allowing for effective decision making and improvements in assurance.



End Goal

Industry leading data management - maximising automation and the effective use of the information it provides

Sustainable Procurement

We will procure independently verifiable legal, sustainable and ethically sourced materials.

We are committed to delivering better sustainability solutions through harnessing the power of our supply chain partners.



End Goal

Leave a lasting sustainable legacy within the supply chain and beyond

Carbon Reduction

We have committed to work in line with PAS 2080 – carbon management standard to reduce the impact of our works across all elements from design through to operation – taking a full lifecycle approach. We will ensure carbon is part of the decision making process.



End Goal

To lead the decarbonisation agenda and help HS2 secure their target of 50% carbon reduction against the baseline

Resource Efficiency and Circular Economy

We are committed to streamlining material quantities and maximising use of secondary/recycled materials. It is important that we minimise waste and encourage the reuse of resources in all facets of temporary and permanent works



End Goal

Demonstrable circular economy thinking, re-purposing key temporary materials upon completion of the project and minimising our waste

Industry leading environmental management

Leaving a positive legacy

Through all of the above, we are committed to demonstrating industry leading environment and sustainability practices, ensuring we trial innovative and novel approaches to the benefit of future parties

End Goal

Industry recognition and legacy for exemplar environmental performance



Current targets

Themes	Goal for 2022	Target measure
Reduce risk of harm	Raise environmental competency and understanding of the requirements and the specific responsibilities of this contract	Specific training targets to be achieved: SEATs - 90% of those identified Env foundation - 90% (30 min online for all SCS staff) Waste - 90% (selected responsible individuals only) Carbon literacy course - 50 appropriate carbon controllers
		Minimum of 2 Environment & Sustainability Toolbox talks to be delivered per site per month.
	Raise awareness and reporting of environmental close calls & near misses	Engagement Ratio - over 40 per 100000 hours (12 months rolling) (in line with strategic KPI)
	Environmental Incident Rate less than 5 per 100000 (KPI)	EIR of <5 per 100000 hours (12 months rolling) (KPI & EMI)
	Site based Environmental risks are adequately captured and controls are monitored regularly through TRMs and audit activity	> 80% of actions raised through TRMs and audits are closed within the agreed timeframe.
Reduce impact on community and surrounds	Ensure high standard of site setup & operation	Considerate Constructors Score over 40 (EMI) Environment section score - minimum 8, stretch target 9
	Ensure we minimise impact on air quality in the communities we work by meeting or exceeding NRMM emission standards	>98% compliance inline with updated NRMM requirements (KPI & EMI)
	To enhance biodiversity offsite through the communities in which we work	Each area to identify 1 offsite biodiversity related community investment/engagement opportunity and undertake this in 2022.
Environmental consents	Develop and improve upon regulator relationships	Regulator survey to be developed and run quarterly
	Submit all environmental consents within the required timeframes	100% environmental consents on the critical path submitted in accordance with the agreed (monthly CL32) programme. Reporting through monthly critical consents report via new template by all areas.
Effective data management for decision making	Efficient & timely collection of reporting data to allow for analysis and effective decision making	Fully integrated electronic Waste Management System through Datascope tracking all waste streams in a final single platform for reporting & assurance purposes.
	Reduce the need for manual meter readings and data management	All sites and compounds, to have utilities submeters at key points of use. All installed meters to log and transmit data automatically on a daily basis, as a minimum.

Current targets

Themes	Goal for 2022	Target measure
Sustainable procurement	Procure independently verifiable legal, sustainable and ethically sourced materials	Responsible sourcing for 100% of concrete, steel & timber. Responsible sourcing for > 80% of imported aggregates (KPI)
	Support the development and awareness of our sustainability requirements with our supply chain partners	Top 15 Env & Sustainability important subcontractors/suppliers to complete the SCS Performance Assessment Framework (PAF) and reach minimum of Bronze status
		Join Supply Chain Sustainability School as a Joint Venture and put on a minimum of 1 event per area in alignment with our targets and supply chain needs.
	Drive low carbon solutions from the supply chain through the procurement process	Top 15 work packages (by environmental significance) to have min. 10% of the ITT score relating to carbon performance.
Carbon reduction	Improve understanding of construction-based short term carbon footprints, developing specific plans to reduce these & monitor regularly	Each Area to forecast carbon emissions for the year, based on Concrete, Steel, Aggregate, Energy & Fuel use per month, in place by close of Q1 and then reported against - monthly in arrears as executed.
		Each Area to have a Carbon reduction plan by end April, focused on reductions in line with key areas as per the top 4 carbon reduction opportunities and forecast done.
	All sites to be diesel free by 2023. Demonstrating sound power source hierarchy use - Renewables > green hydrogen > sustainable biofuels.	All sites to have Diesel free status by end Q3 2022, demonstrating how the power source hierarchy has been followed: Renewables > green hydrogen > sustainable biofuels.
Resource efficiency and circular economy	Streamline material quantities and maximise use of secondary/recycled materials, minimise waste & encourage reuse of resources	Every site to have demobilisation plans in place by end of year (or 6 months before demobilisation, if sooner). GPW, Atlas and Euston to include TBM & tunnelling-related demob plans.
Industry leading environmental performance – Leaving a positive legacy	Demonstrate industry leading environment & sustainability practices and trial innovative and novel approaches	Each area to produce 5 Env. sustainability best practices and share as good news stories. Project to put forward for at least 2 industry awards in environment/sustainability categories.
		First annual sustainability report to be created capturing all Env & Social sustainability strategy performance, best practices & news stories
		'Ensure the following key innovations are driven forward: *Hydrogen generator study *Cement replacement in sprayed concrete *Low carbon concrete use & trials across SCS

SKANSKA



STRABAG

Working in
partnership with

HS2

Leaving a positive legacy
through industry-leading
environmental management