

Geotechnica 2016

Ground Investigation at HS2

Joe Murphy, Head of H&S Area South

1. Update
2. The good, the bad and the ugly
3. Q&A

1. Update

HS2: a strategic transformation



Phase One

Stations:

London Euston
Old Oak Common
Birmingham Interchange
Birmingham Curzon Street

Phase Two

Stations:

East Midlands Hub
Sheffield
Leeds
Crewe
Manchester Piccadilly
Manchester Airport

Key construction statistics

230km

TOTAL ROUTE
LENGTH

53km

TOTAL LENGTH IN
TUNNELS

74km

TOTAL LENGTH IN
CUTTINGS

152

STRUCTURES
UNDERBRIDGES

145

STRUCTURES
OVER BRIDGES

128 mt

TOTAL VOLUME OF
EXCAVATED
MATERIAL

(90% TO BE RE USED)

31

MAIN COMPOUNDS
FOR
CONSTRUCTION

299

SATELLITE
COMPOUNDS

HS2 vision:

To be a catalyst for
growth across Britain

A message from the CEO



“Health & safety may not be an instinctive part of your decision making but it should be. It must always be the first consideration in anything that you do. You have my unwavering commitment that it will always be my first consideration, and I need it to be yours.”

Simon Kirby,
Chief Executive Officer, HS2 Ltd



Safe at heart

“Safety is at
the heart of
everything
we do”

“We will build
safety into
the heart of
this railway”

“We will work at
the heart of
communities to
protect their safety
and wellbeing”

“Our people are at
the heart of
everything we
do – we care
about your health
and wellbeing”

HS2 as a client

We will set the standards and behaviours

We will limit information needed for regular reporting, but will audit regularly

We are the programme integrator and decision-maker

We will set the right climate for innovation

We will ensure consistency across contracts

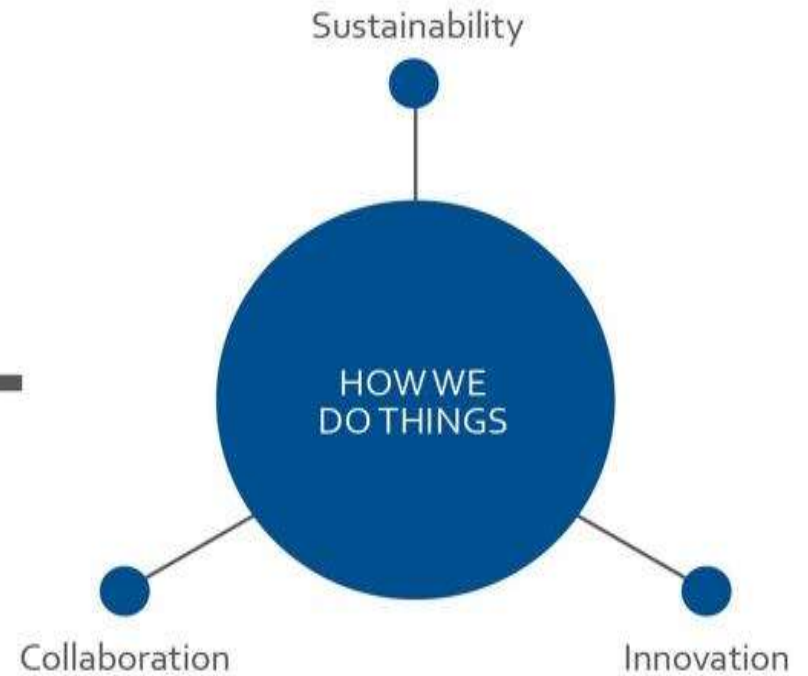
We will assume positive intent and plan for success

We will collaborate with our suppliers for the benefit of delivering the overall outcome

Our Culture



+



Supply chain health and safety standard



www.gov.uk/government/publications/hs2-supplier-guide

Safety is

Caring for our workforce, our passengers and the public, by creating an environment where nobody gets hurt

What safety means to us

Good looks like:

Making safety
our first
consideration

Acting now to
mitigate risks
wherever
and whenever
they occur

Speaking
up and
intervening if
something
is unsafe

Taking
responsibility
for our own and
others' health,
safety and
wellbeing

Safety

Integrity

Leadership

Respect

Our Health & Safety Commitments



Safe by design

Public and neighbour health and safety

Safe supply chain management

Workforce safety

SMART assurance

Occupational health and wellbeing

Safe operations

2. The good, the bad and the ugly.

2. The ugly, the bad and the good.

The ugly:

- Collaboration
- Basic Health and Safety
- Behaviours

The bad:

- Lack of common standards
- Lack of self-regulation
- Lack of ownership

The good:

- Public Facing
- Open and honest
- Professional and engaging
- Innovative
- Improving!!!

hs *2 engine for growth*