



Sustainable Development: An Industry Responsibility

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- Sustainability and What it Entails
- Why Make Sustainability an Industry Priority?
- The Challenges Ahead
- IMnI's "Manganese Sustainability Programme"
- Working Together to Achieve a Sustainable
Mn Industry



"Sustainable development is development that meets the needs of the present without compromising the ability of future generations to meet their own needs."

Our Common Future, Brundtland Commission (1987)



What Sustainability Entails

For the Manganese Industry priorities to guarantee sustainability revolve around HSE&C issues:

- Health of our workers
- Safety of our workers
- Environment – local to our operations and wider
- Community – impacts of our operations

Companies are tackling these issues on an individual basis but it now makes sense to tackle them as an Industry



IMnI's Current and Past OHES Initiatives

IMnI is working toward a sustainable industry:

- REACH (2007-2010) – a regulatory step towards product responsibility down the supply chain
- MHRP (2004-2009) – research into Mn health effects
- Mn criteria document (2001-2004) – recommended a science-based OEL for Mn
- Four other OHES projects are being financed, three of which will start next month

However, an overall framework is needed



Why Make Sustainability an Industry Priority?

- The regulatory climate is changing:
 - REACH – a milestone piece of EU legislation, transferred the burden of proof from the regulator to industry
 - USA & Canada are now considering implementing similar regulations
 - Climate change – caps on greenhouse gas emissions are already on the global agenda
- As an Industry we must go beyond the regulations to meet the challenges of sustainability



Why Make Sustainability an Industry Priority?

- **It makes strong economic sense:**
 - The world is changing fast: Climate change (CO₂ emissions), pollution, fair trade ... are public concerns
 - Consumers and shareholders now demand that companies operate to a high level of corporate responsibility
- **We can no-longer react to outside pressures – we must be proactive**



Challenges Ahead

Energy
Materials
Land & water



Emissions
Waste
Exposure
Accidents

Recycling
Product durability

Technology &
innovation to improve
processes

**By mandating the IMnI to tackle these issues,
companies can share the challenge and the
financial burden**



IMnI's Mn Sustainability Programme

The way forward is to:

- Develop an overall vision for HSE&C/sustainability
- Define short and long-term goals/achievable targets
- Benchmark IMnI against other organisations
- Identify gaps and achievements and establish priorities
- Anticipate future challenges
- Communicate internally & externally

Solicit expert advice to help IMnI conceive the strategy



Working Together to Achieve a Sustainable Mn Industry

- Benefits of working in partnership:
 - More effective and efficient
 - Shared financial burden for increased financial benefits
 - Help to build an industry reputation & prepare for the future
- IMnI members must be prepared to:
 - See the value for your company & our industry
 - Work together, share experiences and learn from each other
 - Invest – time, human & financial resources
 - Understand and better manage HSE&C issues
 - Implement changes



Thank you