



Decarbonization in mining and opportunities for non-competitive collaboration

Energy and Mines World Congress

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We are Vale

- A **global** mining company.
- A company with **strategic** assets.
- A **world leader** in the production of **iron ore, pellets, and nickel.**



Mission

To transform natural resources into prosperity and sustainable development.

Vision

To be the number one global natural resources company in creating long term value, through excellence and passion for people and the planet.

Values

- Life matters most.
- Value our people.
- Prize our planet.
- Do what is right.
- Improve together.
- Make it happen.

2030 commitments as previously announced



Climate change

Reduce greenhouse gas emissions by 16%



Energy

100% self-generation of clean energy in Brazil



Water

Reduce new water collection by 10%



Forest

Recover and protect 100,000 ha of degraded land beyond our boundaries



Socioeconomic contribution

Health care, education and income generation

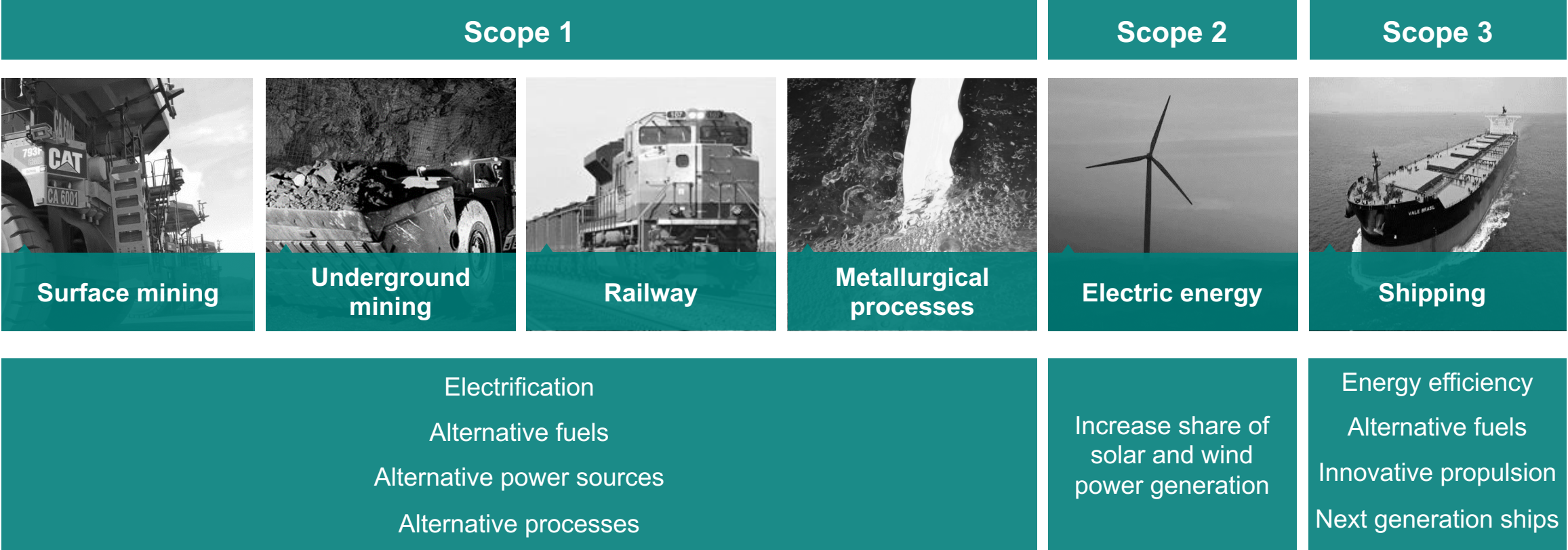


2030 commitments reviewed for **more ambitious goals**

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| <p>New targets</p>  <h3>Climate change</h3> <p>Reduce greenhouse gas emissions by 16% aligned with the Paris Agreement, and be Carbon neutral by 2050</p> | <p>New targets</p>  <h3>Energy</h3> <p>100% self-generation of clean energy in Brazil globally</p> |  <h3>Water</h3> <p>Reduce new water collection by 10%</p> | <p>New targets</p>  <h3>Forest</h3> <p>Recover and protect 400,000 ha 500,000 ha of degraded land beyond our boundaries</p> |  <h3>Socioeconomic contribution</h3> <p>Health care, education and income generation</p> | <p>New targets</p>  <h3>ESG gaps</h3> <p>Eliminate main ESG gaps in relation to best practices</p> |
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Lead the transition to a carbon neutral mining

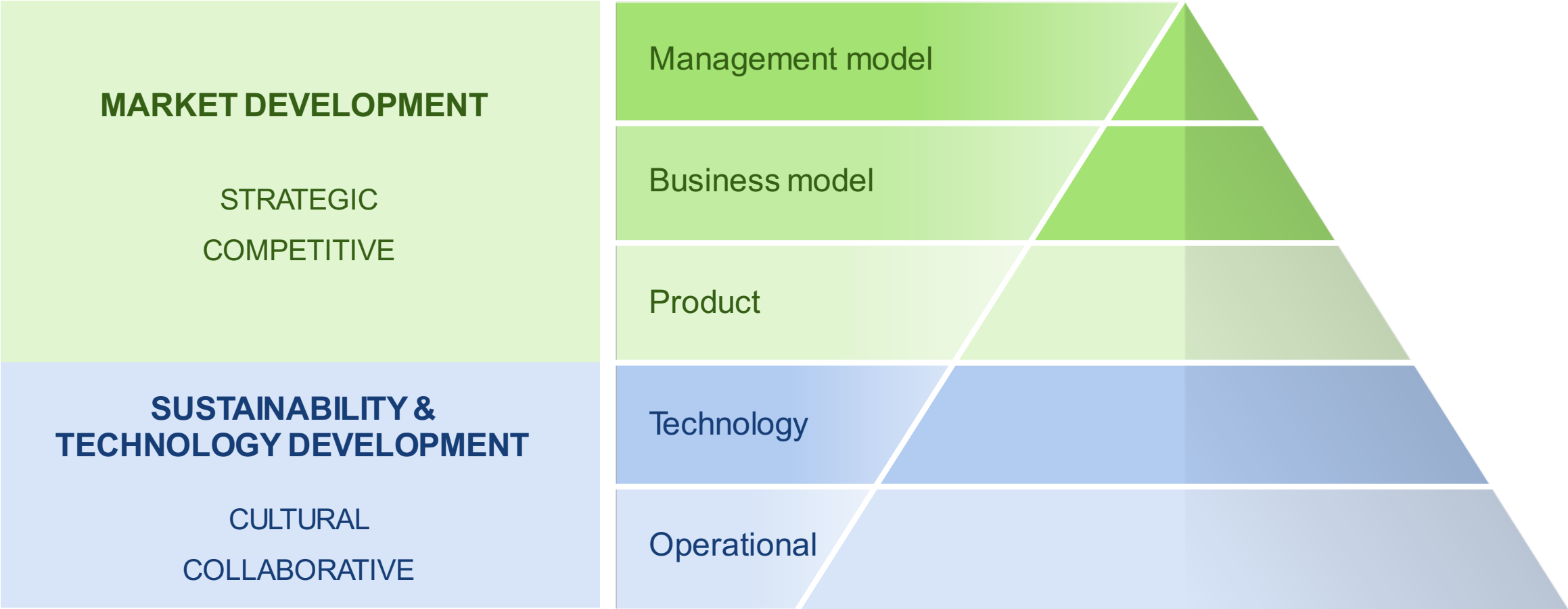
PowerShift is focused on cleaning energy matrix, initially addressing power, diesel and bunker consumption



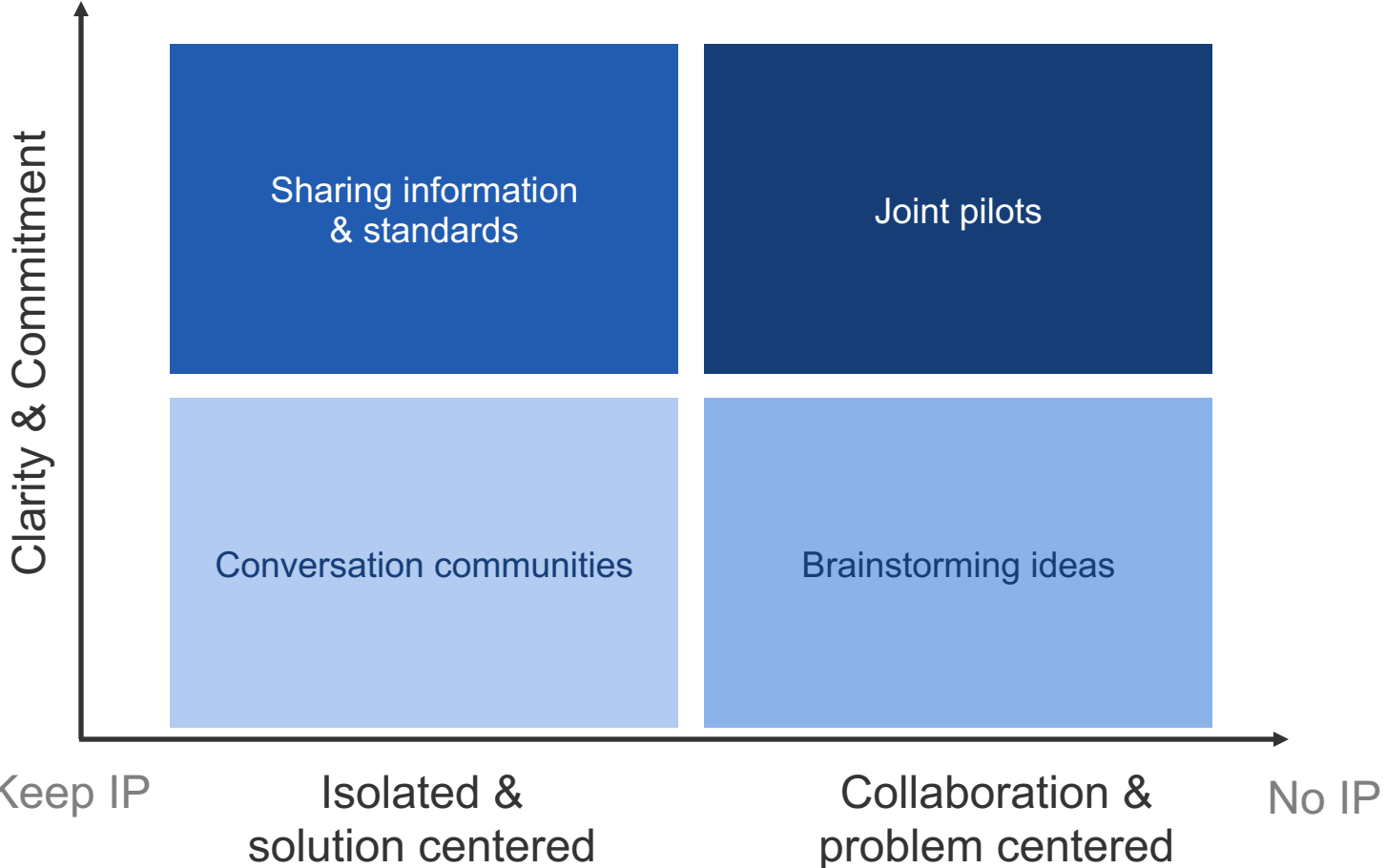
The only way
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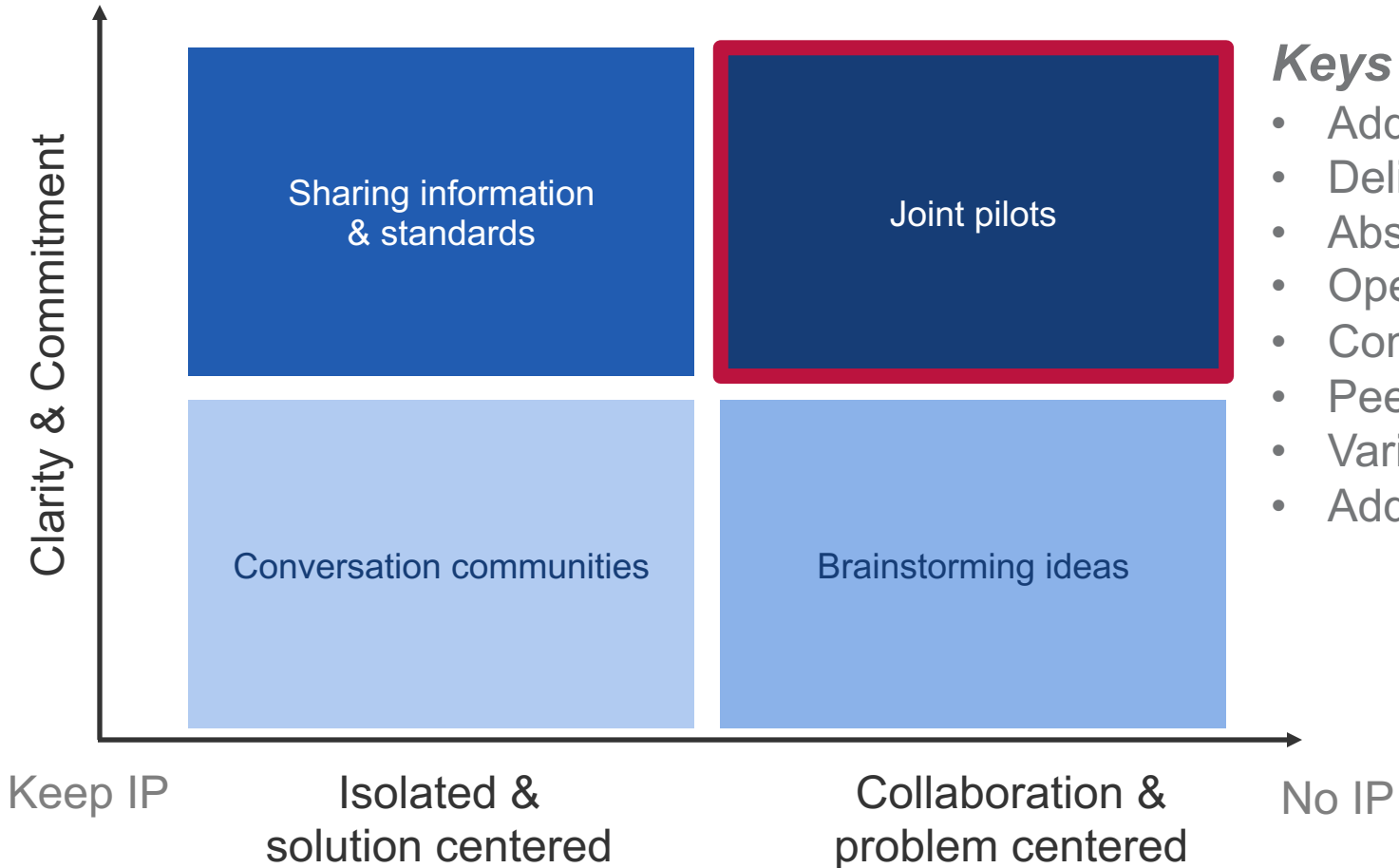
Collaborating in correct disciplines brings improved and more cost-effective developments, not risking key differentiation



Collaborative initiatives models will depend on clarity of challenge, commitment and willingness to share



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- Keys for success**
- Addressing single issues
 - Deliver innovative responses
 - Absolute trust
 - Open and transparent
 - Commitment
 - Peer accountability
 - Various ways to contribute
 - Address anti-trust concerns



In Summary

- Vale is committed to being a reference in sustainability
- We have many decarbonization initiatives underway
- The only way to achieve our sustainability commitments is with industry-wide collaboration
- We believe joint pilot programs with the right people, with the right mindset and the right competence is a key collaboration model
- Consider Vale as a partner for collaboration for decarbonization in mining

