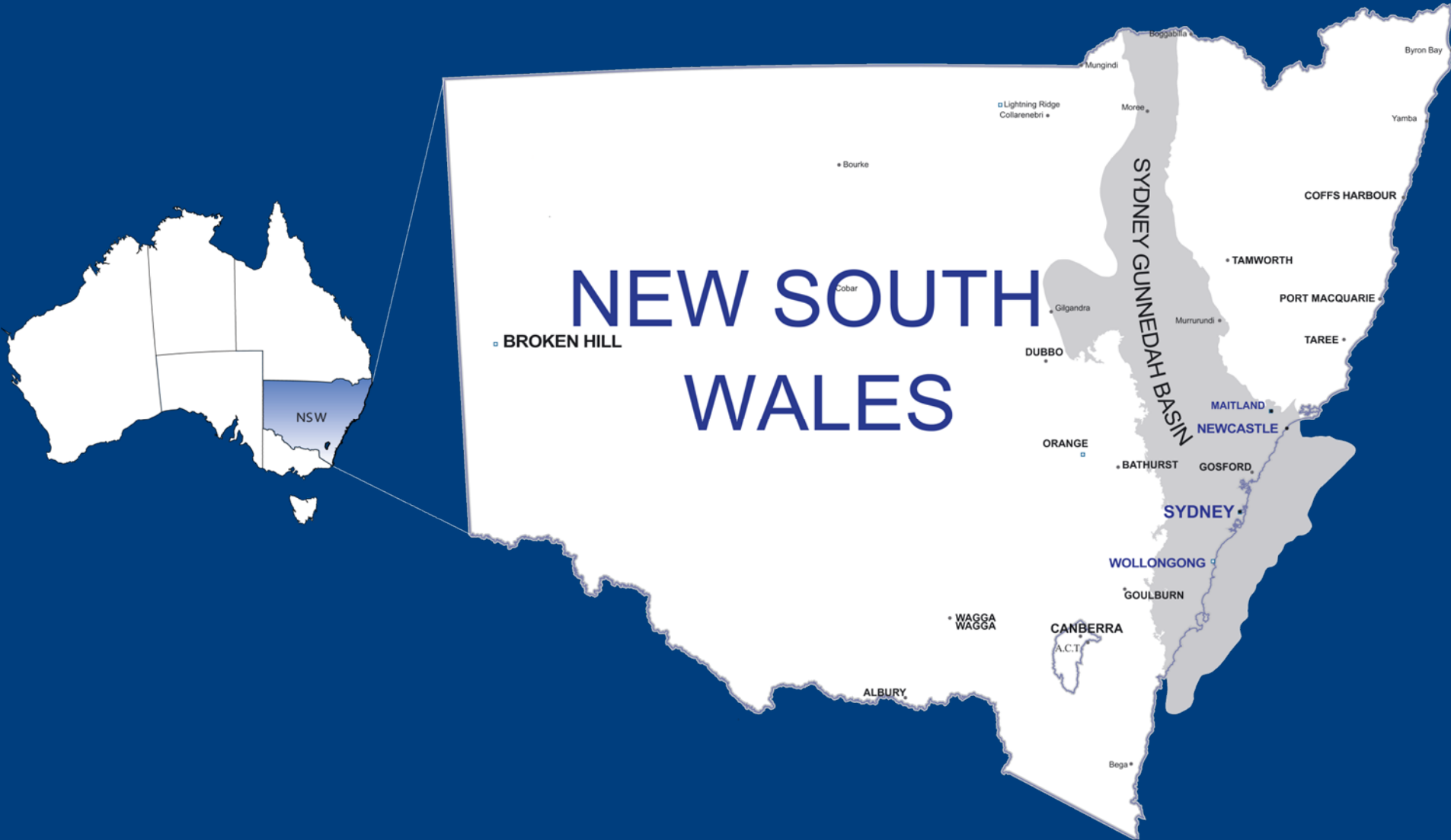


NSW Mining Regulator Perspective:

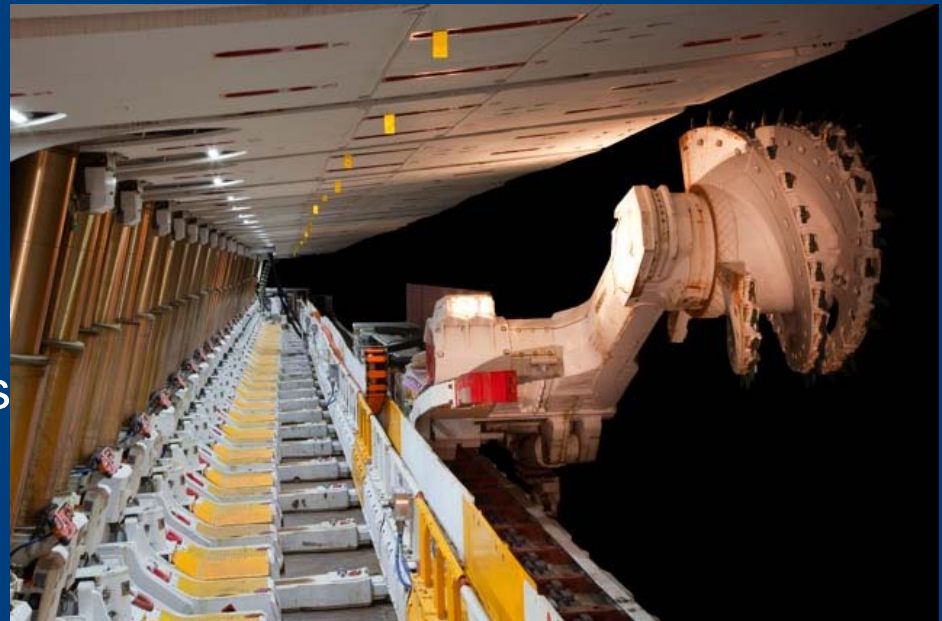
**“Journey from NSW Australia approvals to
Global Certification IECEx”**

NSW Australia



History – NSW Mine Safety Operations

- Mine Safety Operations (MSO) of the Department of Trade and Investment, Regional Infrastructure and Services is the regulator for mining in NSW Australia
- Within NSW there are currently:
 - 34 underground coal mines
 - Each mine has an average of over 4,000 items of Ex plant
- Until 1999 MSO ran an approval systems that included many types electrical of plant predominantly Ex electrical equipment
- Post 1999 NSW has accepted certified Ex equipment (AusEx, ANZEx, IECEx)
- NSW currently accepts IECEx from any IECEx CB



Introduction of IECEx to NSW legislation

- MSO consulted widely with industry stakeholders on the proposal and implementation
- MSO used a legislative instrument called a 'Gazette notice' allowing flexibility in the transition
- The gazette notice allowed MSO to implement any industry requirements
 - documentation, drawings and risk assessments
- IEC 60079.0 latest version address some of these documentation issues.
- IECEx was part of a strategic direction for MSO on how mines managed Ex equipment

Challenges to the Introduction of IECEx to NSW legislation

- Whether safety of Ex equipment would be affected
- Certain information (that had always been part of approvals) missing
- What the process would be if an issue was identified with Ex plant certified by overseas CB
- Uncertainty by those familiar with Australian CB



Challenges during introduction cont.

- Responding to stakeholder issues in timely manner
- Upgrades of equipment for global market affected 'old mining' certification/approvals
- Generating stakeholder confidence with the scheme
- Other state regulators did not fully adopt IECEx certification

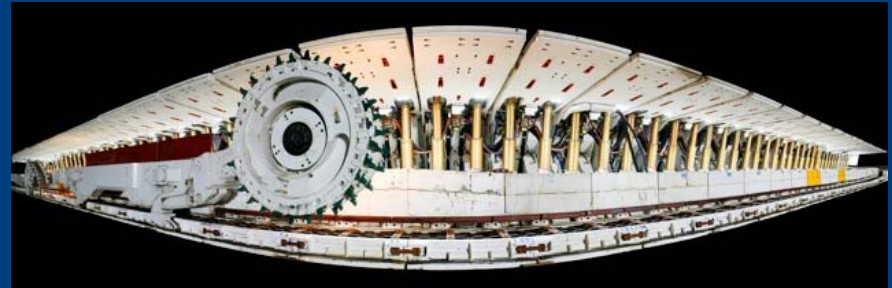


Rewards

- MSO could release resources for field work
- Reduced government liability without increasing risk to mine workers
- Expediting Ex plant from overseas – design/certification to the ‘coal face’
- Consistent with WTO requirements for free trade
- Involvement in a global scheme – continual improvement, education and networking

2012 on beyond for NSW

- Australia will be working towards common OHS regulations for industry & mining and considering the NSW approach to Ex equipment
- Director of MSO fully support IECEx systems
- IECEx competences and workshop are being considered
- Continual active participation with the management of IECEx for MSO



Key to Successful Implementation

- Communication with industry
- Key points of contact with the industry were qualified mine electrical engineers
- Active participation in the development and management of the scheme
- An industry that is mature in its approach to risk management
- Full support from the director of Mine safety



Resources
& Energy

THANK YOU

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