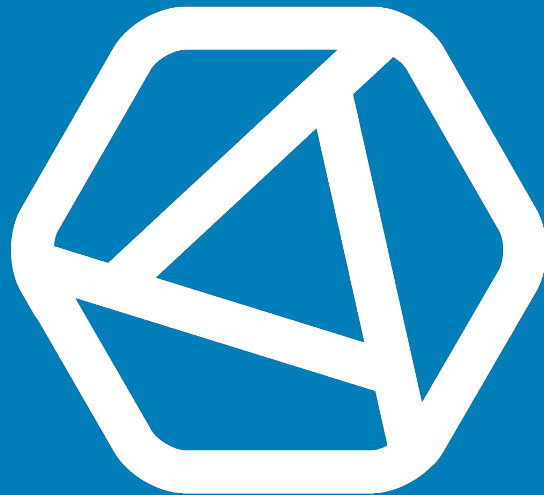


EGM – General Update



**ENVIRONMENTAL CLEAN
TECHNOLOGIES LIMITED**

23 August 2013

Agenda



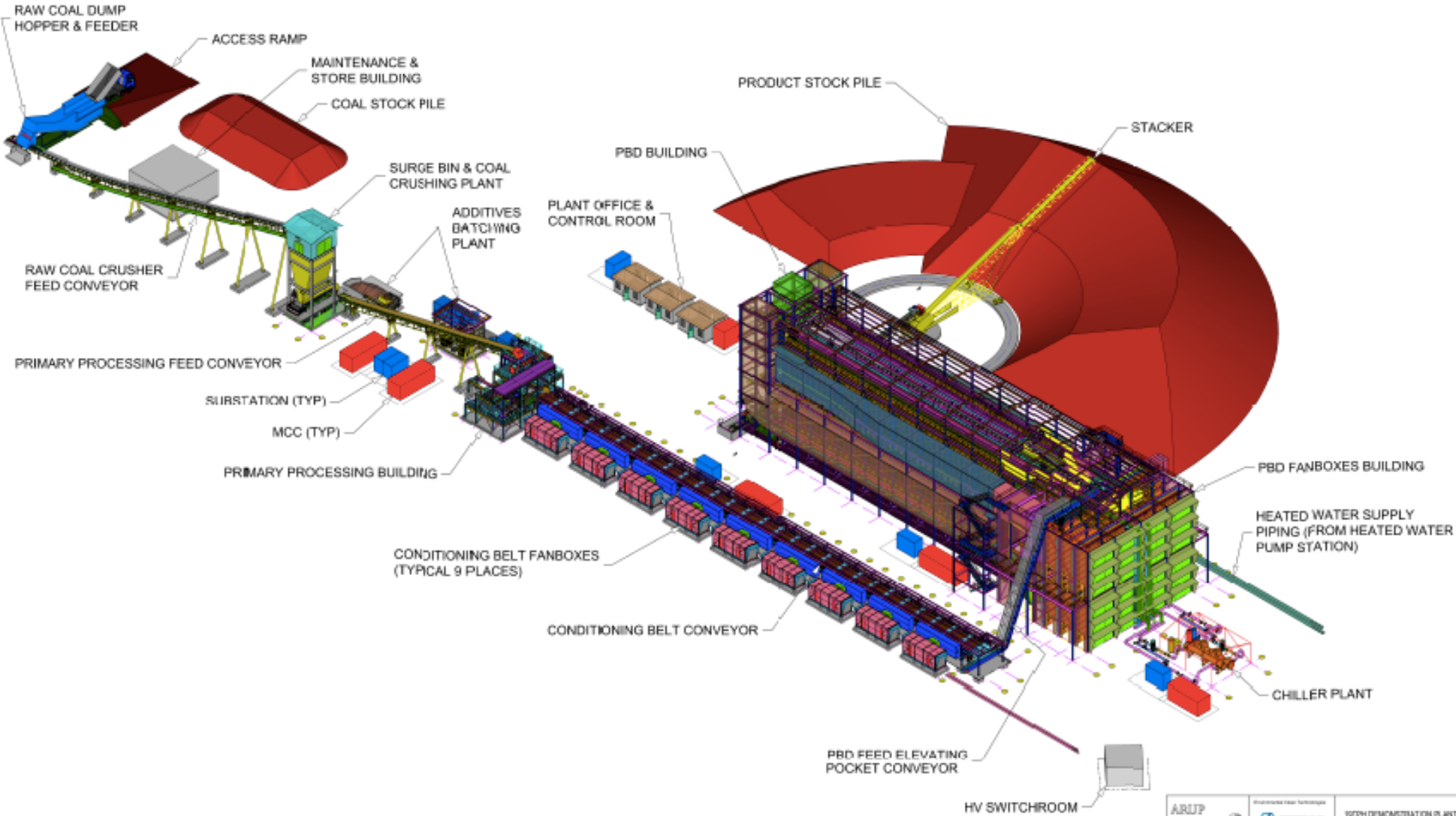
- CDP Design update
- India overview
 - Country, Development & Infrastructure
 - Power & Resources
 - Coldry & Matmor

'Construction Ready' design

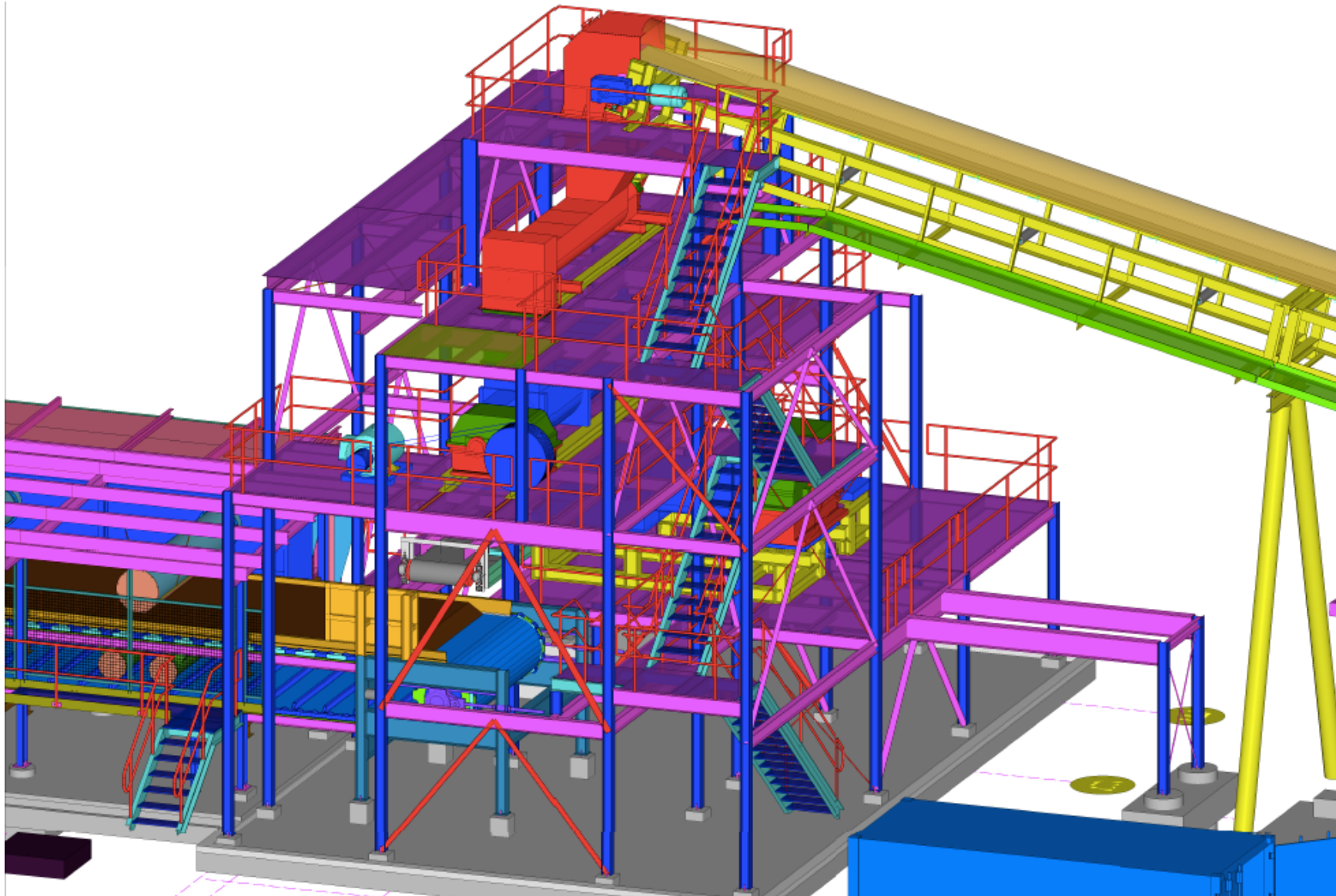


- Select folios of drawings & data are on display
- You are invited to view them & discuss with the team
BUT.....
- Please respect the company's IP embedded within this information.
 - Do not take any of the documents away
 - No photos
- You will have the opportunity to review these following this update

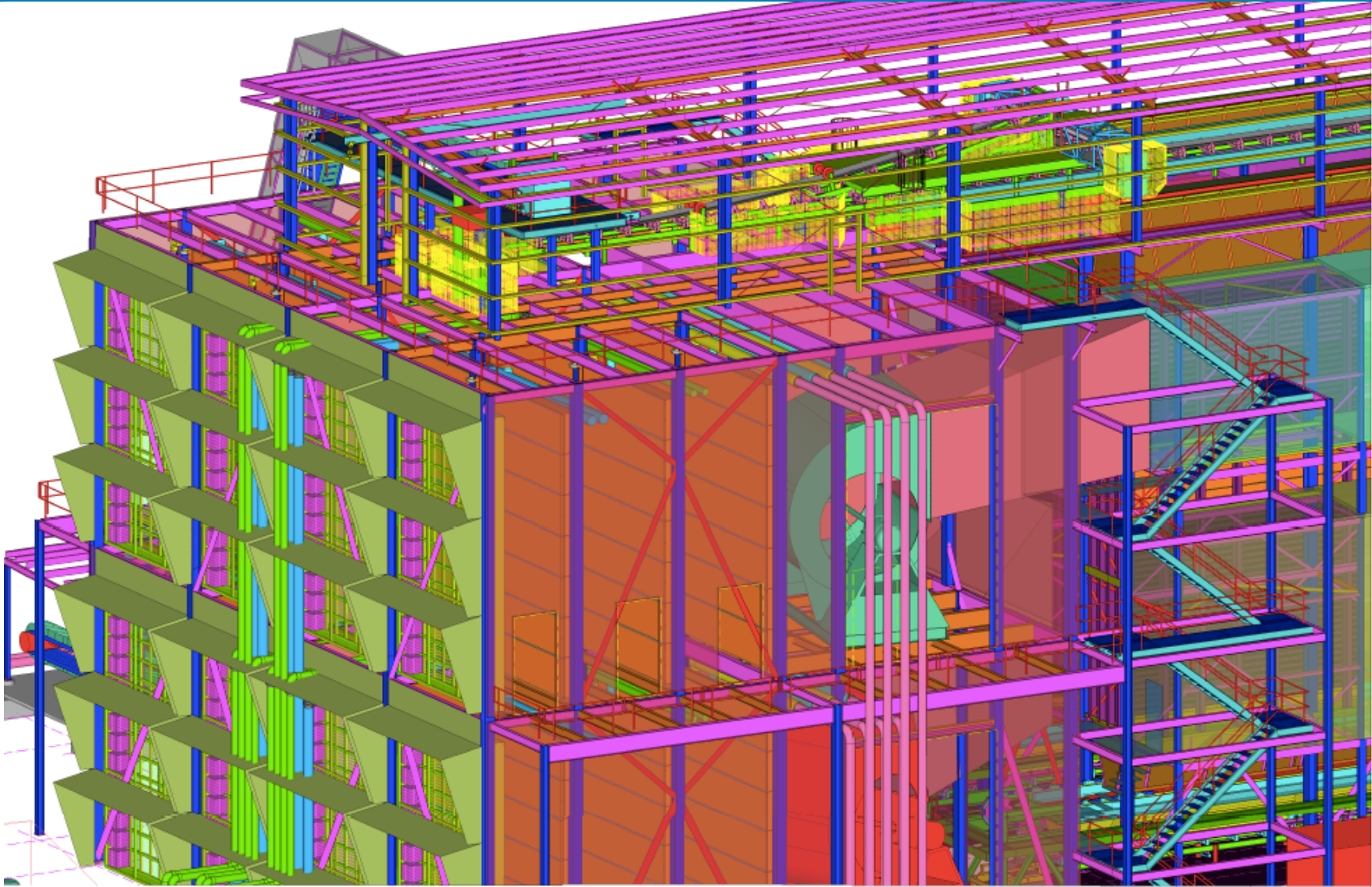
Commercial Demonstration Plant



Processing Plant (Meter, Mill, Extrude...)



Fan Box end of PBD



Why India? Why now?



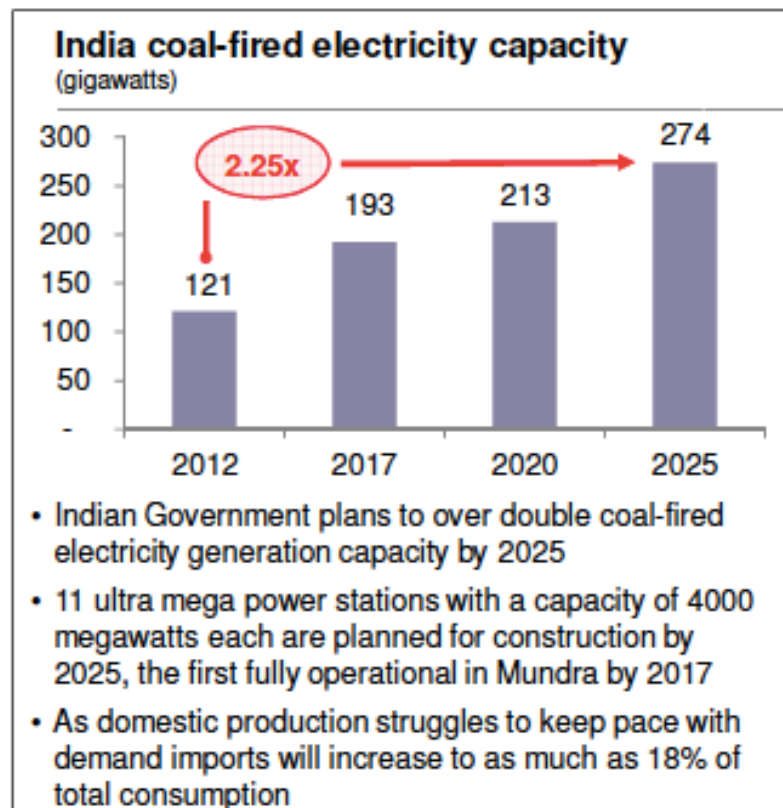
- Population 1.22 bn (July 2013 est)
+16m per year
- GDP \$1825 bn (vs Aus \$987 bn)
\$3900 pp (vs Aus \$43300)
+6.5-7% per yr (~2x Aus)
- Energy 880 bn.kwh (vs Aus 242 bn.kwh) 2010 est
~70% (vs Aus 79%) from Fossil fuels
+6.5% CAG growth over the next decade plus
(vs Aus ~negative)

Information from Rio Tinto's 2013 factbook

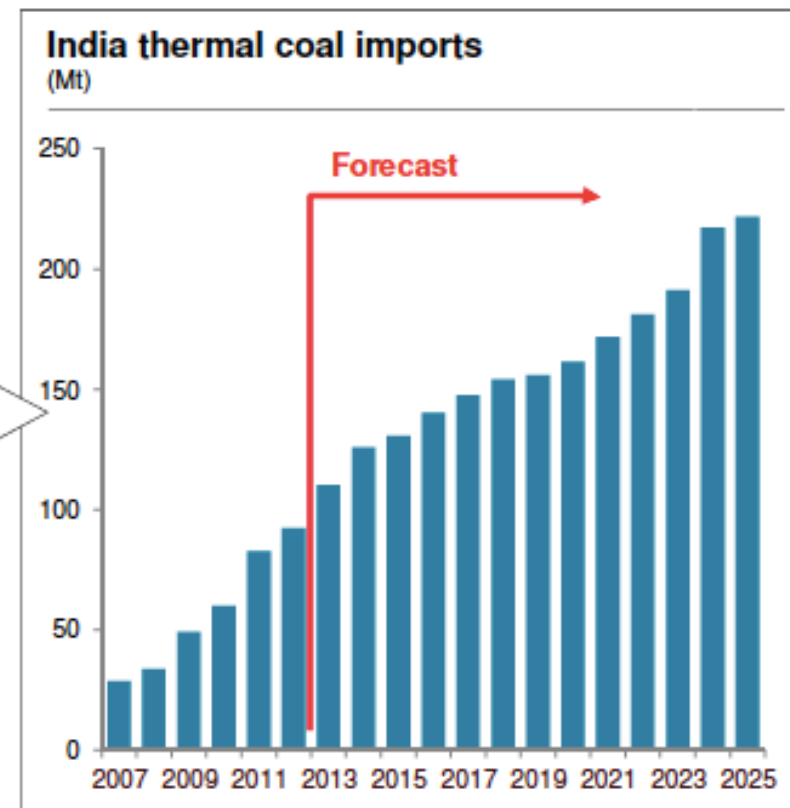
India's thermal coal imports will likely increase by 75% by 2020 to meet power demand



India coal-fired electricity generation capacity and thermal coal imports



Source: Wood Mackenzie, Nov 2012

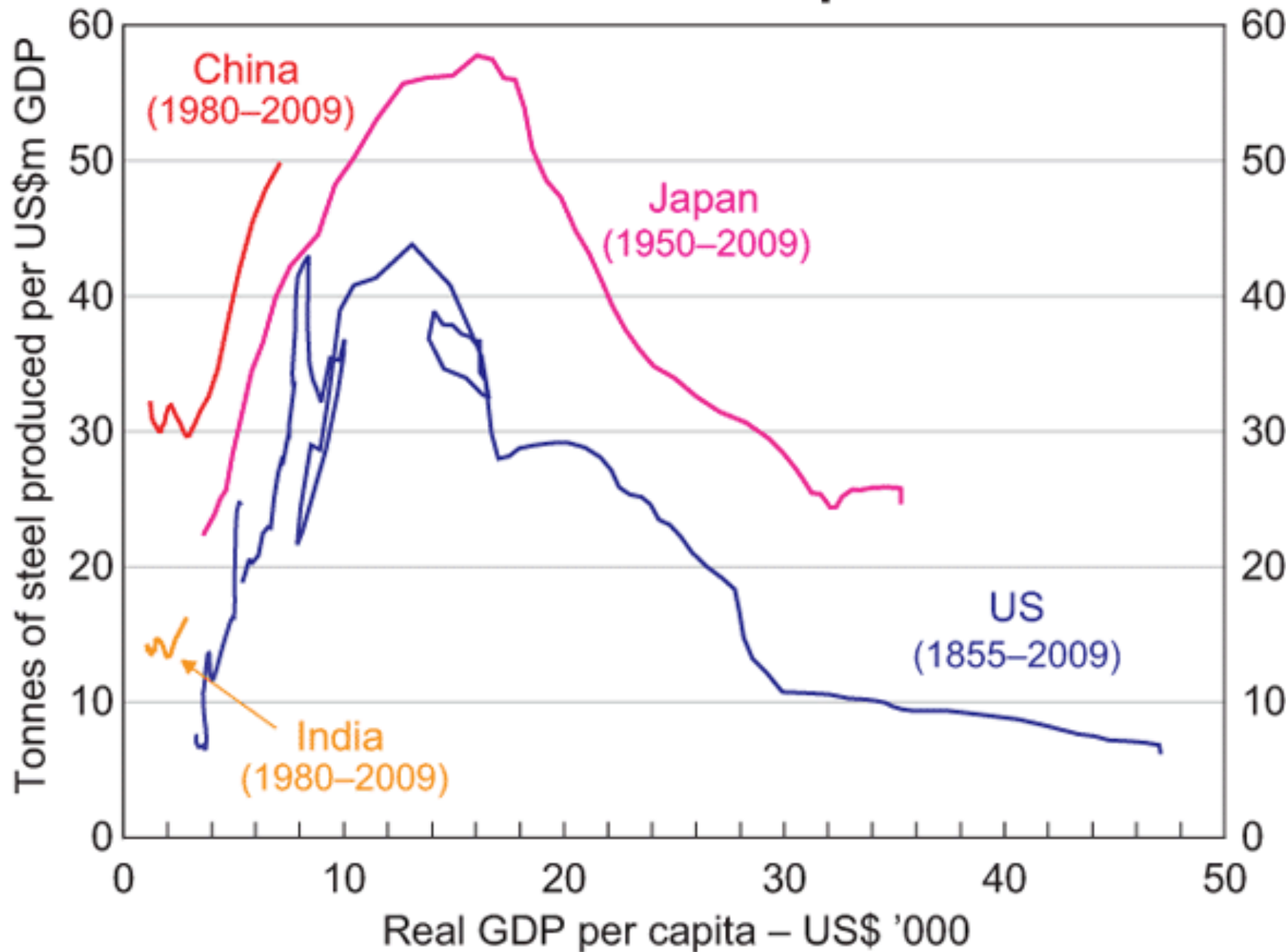


ECT Takeaways....



- Electrical demand growing strongly, underpinned through expansion of coal based generation
- Thermal coal imports set for massive growth due to constrained domestic availability
 - Incremental >\$100 bn/yr extra in thermal coal import costs

Steel Production Intensity and Economic Development*



* 2009 prices converted at 2005 PPP exchange rates; 5 year-moving-averages; US iron production intensity prior to 1897; Japan steel production is by fiscal year prior to 1980

Sources: Conference Board Total Economy Database (January 2010); IMF; Japan Iron and Steel Federation; Johnston and Williamson (2010); Maddison (2009); RBA; US Bureau of Mines; US Geological Survey; World Steel Association (worldsteel)

ECT Takeaways....



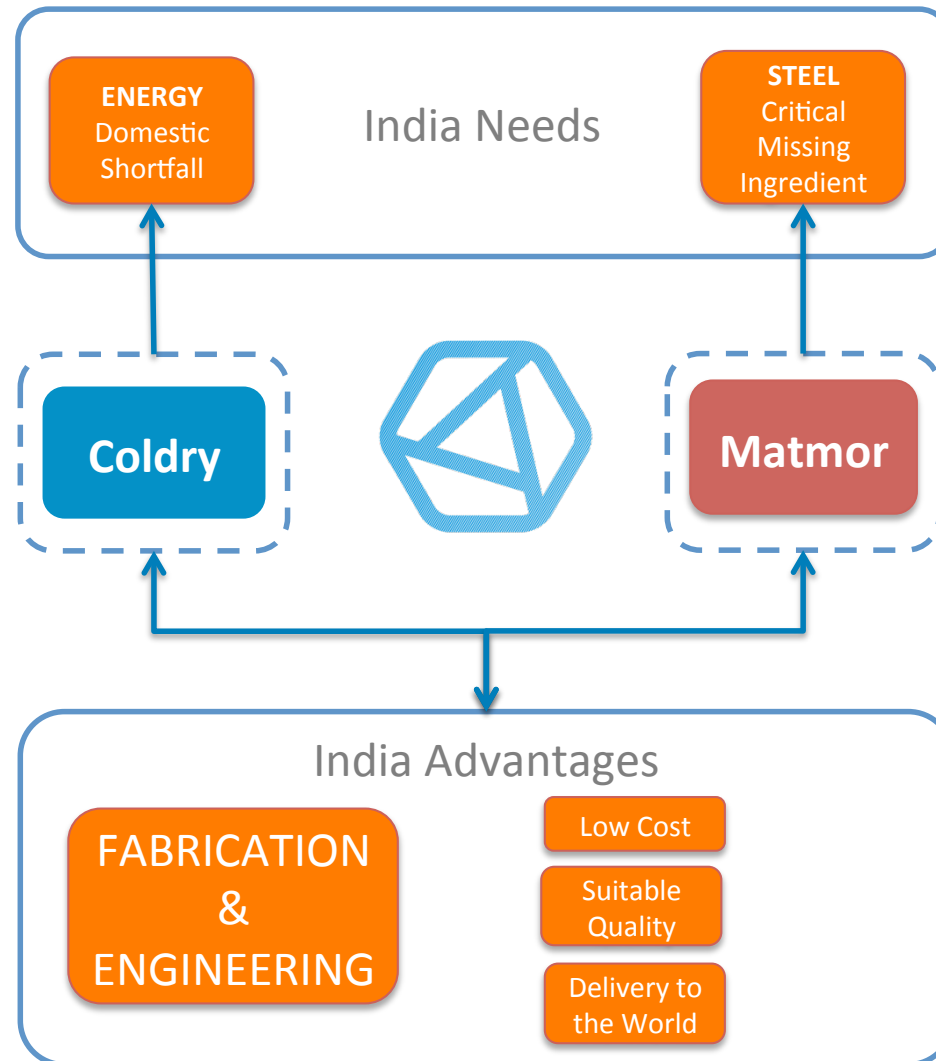
- Domestic Steel production growth
 - Driven by infrastructure build
 - Driven by rapid economic growth
(well known relationships, as outlined in the Steel Intensity Curve)
- Domestic Coking coal availability = zero
- Significant exposure to core growth enabler is Coking coal supply Cost, & Supply risk

India Manufacturing Capability



- Very capable equipment manufacturers
- Low cost vs. other options
- Installed cost of “same plant” in India vs. Australia costs less
 - btm 50-65% lower cost

Strategic “fit”



Thank you.



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