**ALBA & i4.0 Notes**

**ALBA**

* Aluminum Smelter
* Produced over 1.548 million mtpa (2020)
* Traded on London Stock Exchange and Bahrain Bourse
* 69.38% owned by Bahrain Holding Company, 20.62% owned by SABIC (Saudi Arabian investment company), 10% Gen Pop
* Alumina sourced from Saudi Arabia, Brazil, China – GPC sourced from Brazil, Kuwait, Spain, China – Liquid pitch sourced from China, South Korea
* Raw Materials get stored
* Alumina, Pitch, heated GPC (CPC) transported to plant. Vibro-compactor using these materials to produce green anode
* Green anode 🡪 Baked Anode 🡪 Rodded Anode
* Smelted into liquid aluminum
* Power is generated from ALBA plants
* Gas is treated while aluminum is poured into cubicles
* Aluminum is treated
* Different alloys are mixed to meet customer requirements
* Sample is sent to lab to ensure specs are met
* Finished products go through QA
* Shipment

**I4.0**