



Abstract #838

English

A PURE HYDROGEN, PURE OXYGEN FED FUEL CELL POWER PLANT FOR AN ISRU PLATFORM.

For more than “green” reasons, a gradual shift from fossil fuels in the mining sector can be beneficial: there can be efficiency gains by going electric, and air quality considerations in underground mines can be greatly reduced. When one looks beyond terrestrial mining, electric power sources become one of the most viable ways to power equipment. This presentation outlines an extra-terrestrial capable hydrogen fuel cell/battery hybrid power system concept that combines the versatility of a battery for step loads and regenerative energy storage with the scalability and high energy density of hydrogen fuel cells.

French

No abstract title in French

No French resume

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