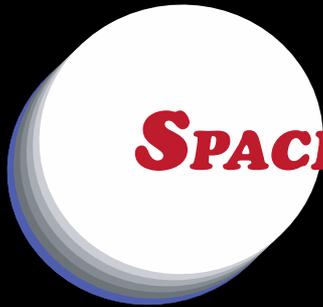


# Strategic Approach to Volatiles Prospecting & Utilization

Angel Abbud-Madrid  
Space Resources Roundtable  
Colorado School of Mines, Golden CO, USA

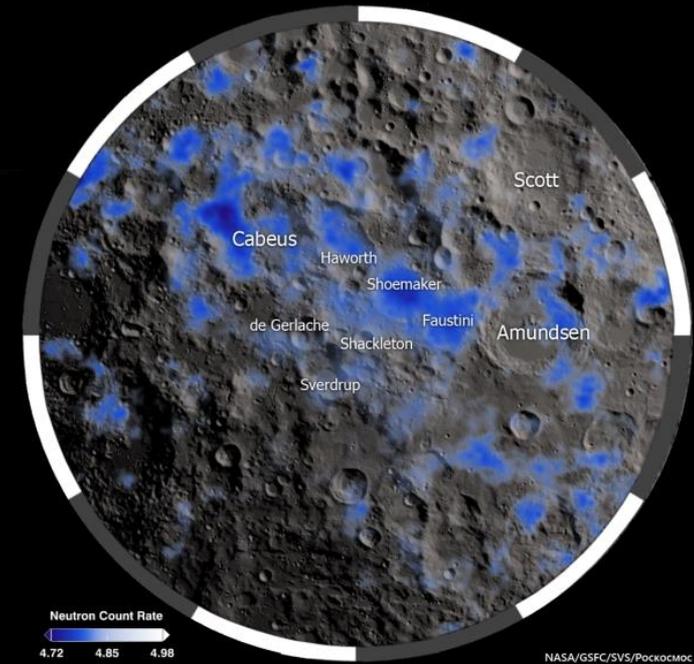


**SPACE RESOURCES  
ROUNDTABLE**



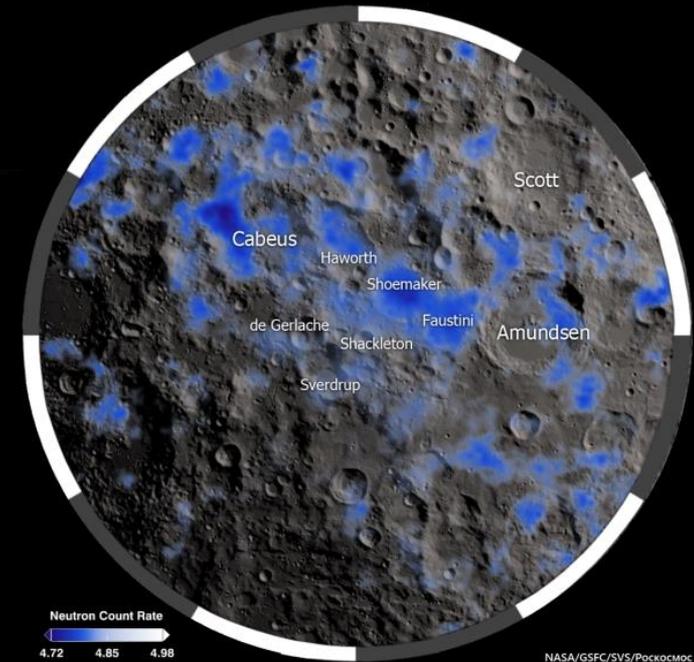
# 1) Valuable resource: Based on

- Type
- Need
- Location
- *Mining technique*
- *Processing technology*



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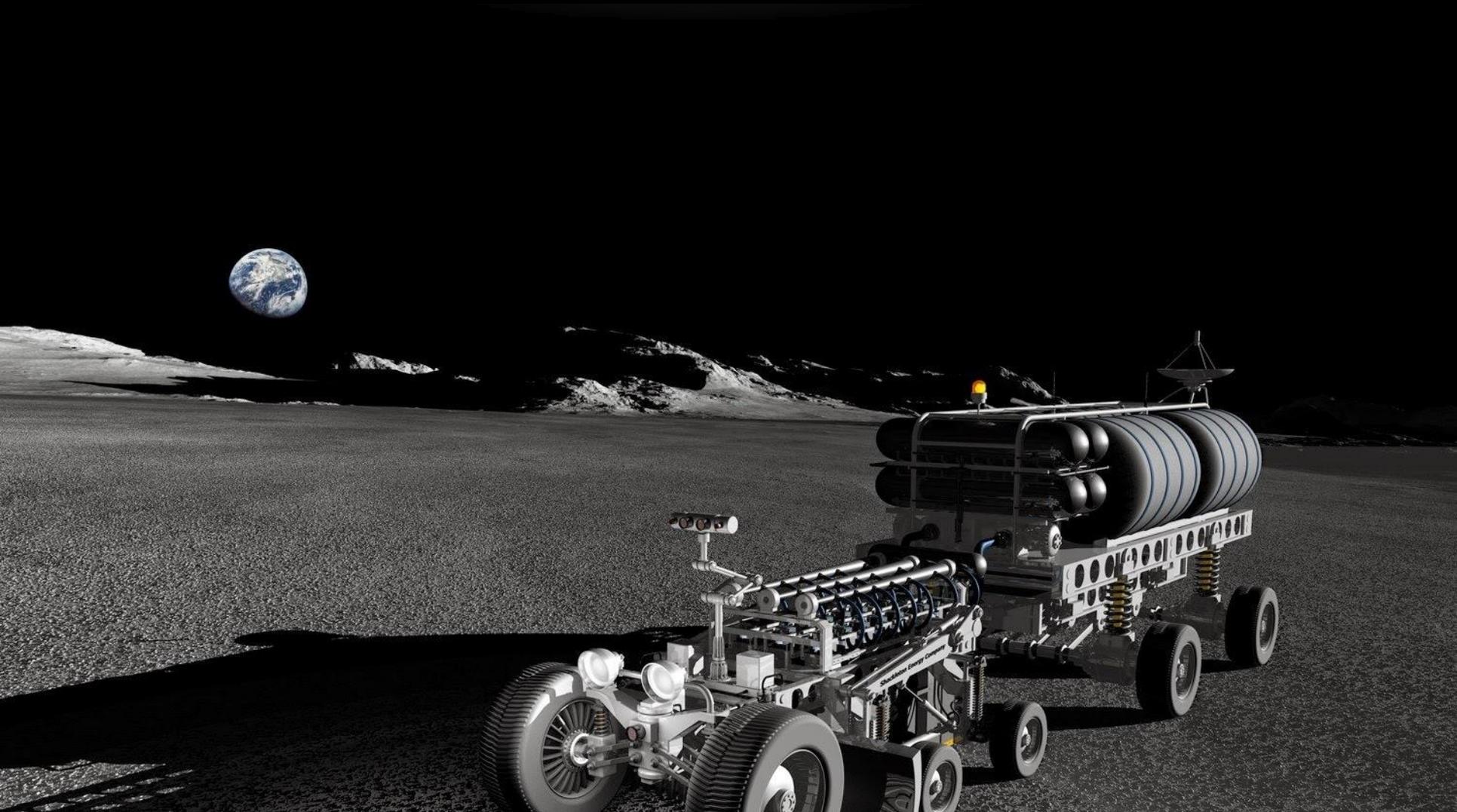
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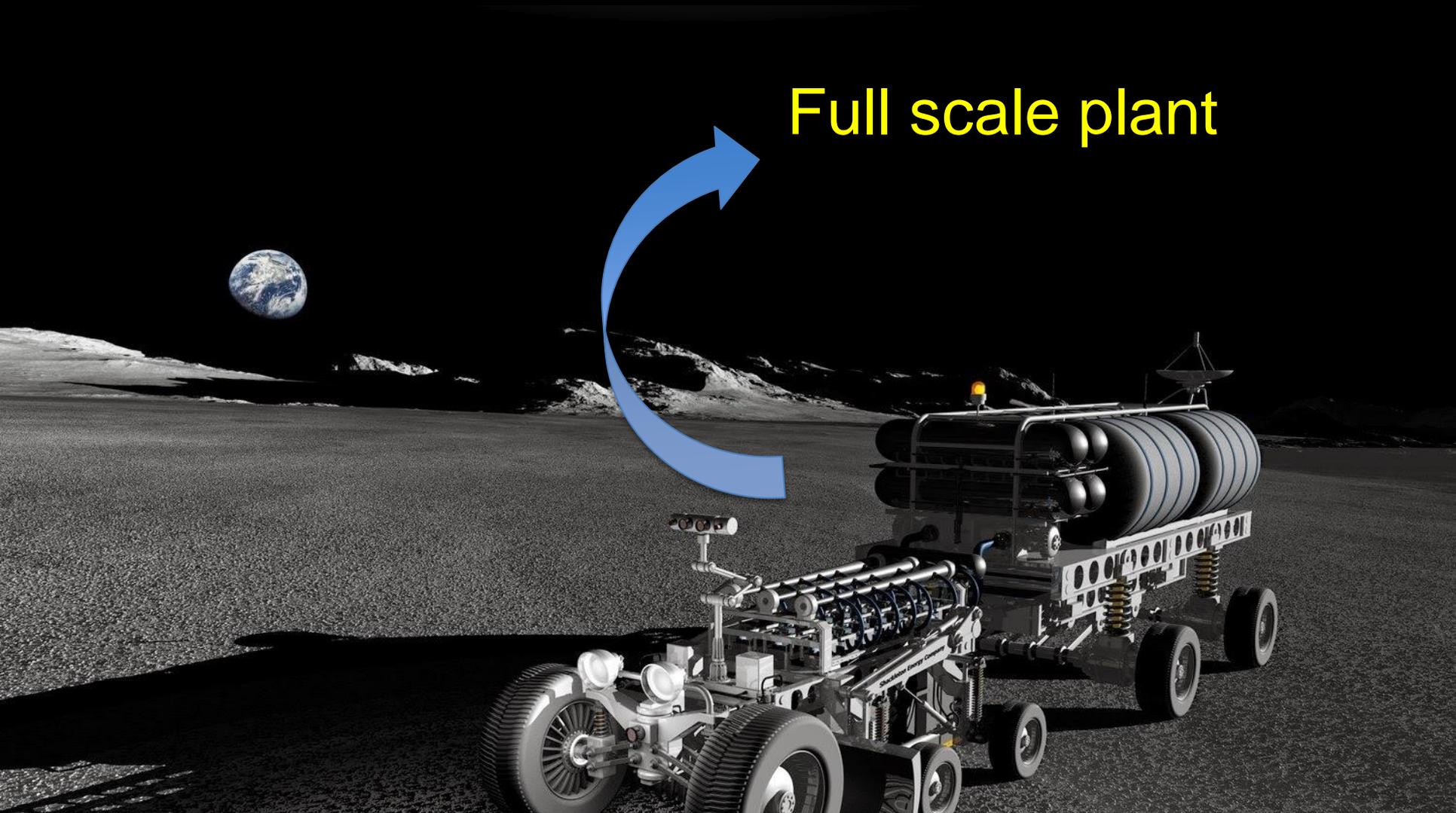
... How can lunar exploration systems be used to prospect, characterize, acquire, *process*, and *utilize* polar volatiles?



2) Need to design, build, and launch *pilot plant* to collect, separate, process, and store resource



3) If *utilization* is the end goal, then adjust size, power, and mass to full-scale system



Full scale plant