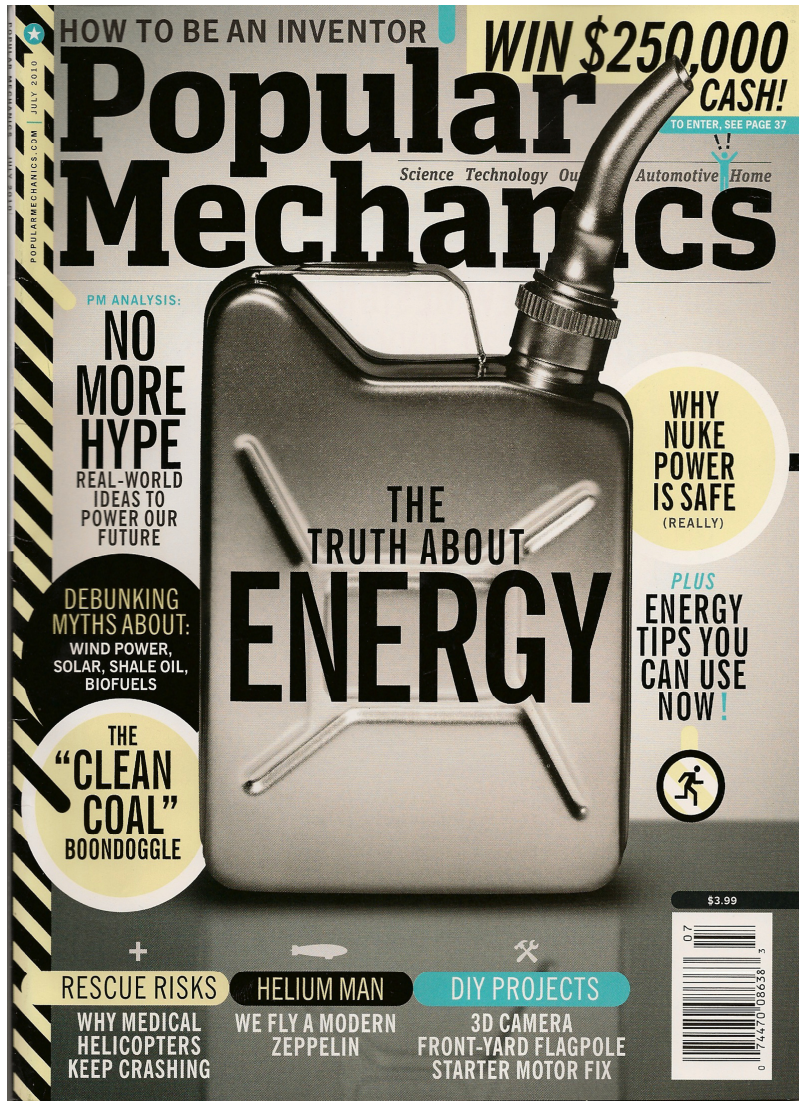


HALEAKALA in the recent press !

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IN DEVELOPMENT

- WHAT** Communications Antenna
WHO Haleakala Research & Development
HOW IT WORKS
A high-bandwidth plasma antenna, resembling a cluster of neon tubes, is smaller and more sensitive than metal antennas and can be instantly reconfigured by altering an electric field or voltage.
NEXT STEP Smart digital TV antennas for rural areas may be the company's first product, with plasma WiMax antennas providing wide-area Internet coverage soon after.
- WHAT** Heat Shield
WHO EADS Astrium
HOW IT WORKS
A magnetic field can influence the hot, ionized gas that envelops a spacecraft during atmospheric re-entry. Superconducting coils generate a field that forces hot plasma away from the aeroshell.
NEXT STEP EADS engineers are designing a system for a Russian Volna rocket that could fly within three years.

