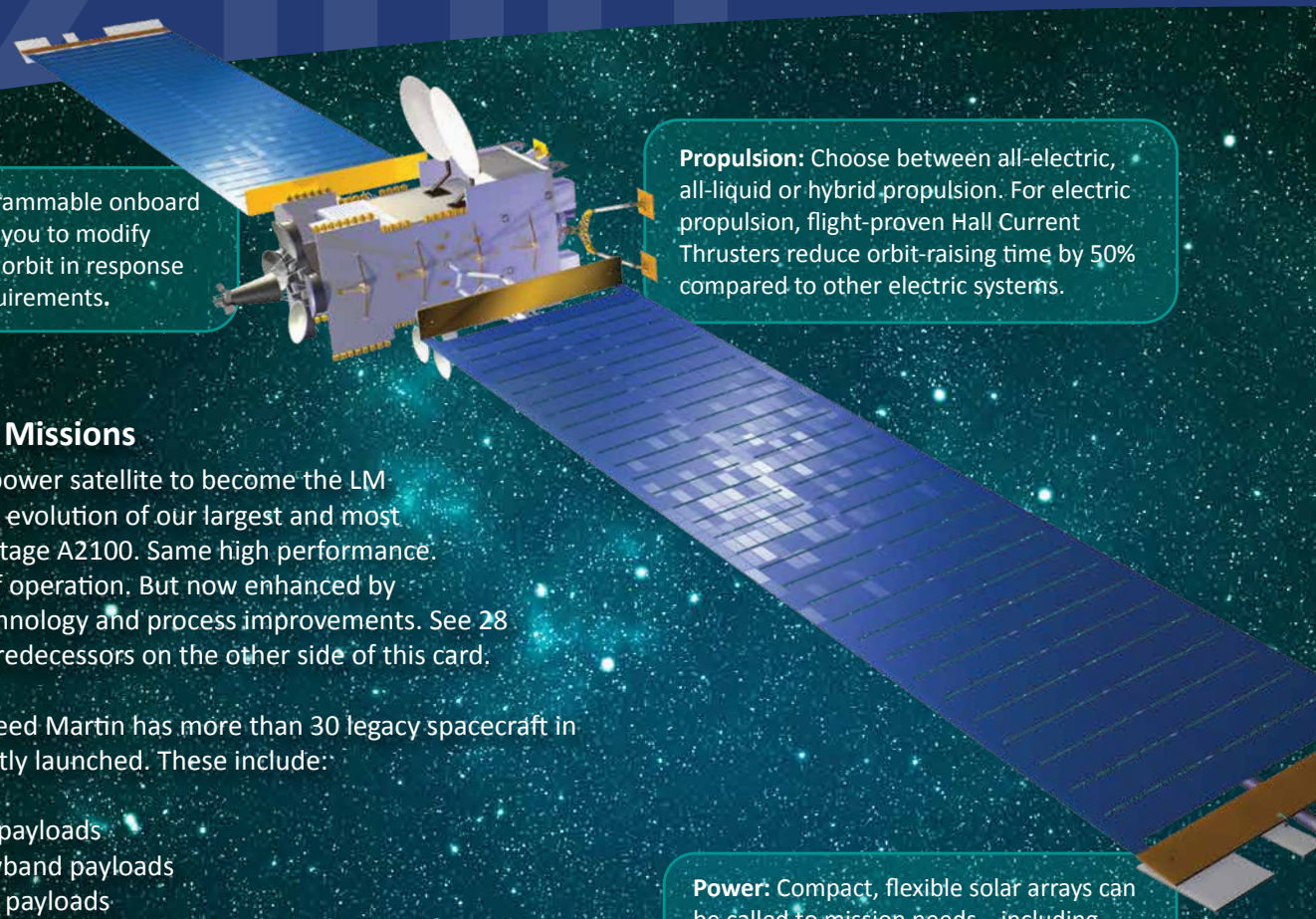
LM 2100 PROVEN & POWERFUL



Processor: A fully reprogrammable onboard mission processor allows you to modify satellite configuration on orbit in response to changing business requirements.

Propulsion: Choose between all-electric, all-liquid or hybrid propulsion. For electric propulsion, flight-proven Hall Current Thrusters reduce orbit-raising time by 50% compared to other electric systems.

Proven Pedigree for All Missions

We've modernized our high-power satellite to become the LM 2100. It is our most advanced evolution of our largest and most popular satellite bus, the heritage A2100. Same high performance. Same reliability. Same ease of operation. But now enhanced by significant investments in technology and process improvements. See 28 distinct advantages over its predecessors on the other side of this card.

Across all applications, Lockheed Martin has more than 30 legacy spacecraft in this contract, in flow or recently launched. These include:

- 13 satellites with digital payloads
- 11 satellites with narrowband payloads
- 12 satellites with hosted payloads

Our investments in modernizing our legacy A2100 bus yield benefits for our commercial and government customers through increased capability, greater flexibility and affordability and shorter schedules.

Power: Compact, flexible solar arrays can be called to mission needs—including high-power missions to 20 kW and beyond—with reduced cost and mass.

Weight:	~5,070 lbs / ~2,300 kg
Power:	20 kW
Size:	~12x6 ft / ~3.7x1.8 m rectangle

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We never forget who we're working for®

26 IMPROVEMENTS TO THE LEGACY 2100 AND COUNTING

- Plume Resistant Optical Solar Reflector
- Advanced Optical Solar Reflector
- Propellant Tank
- Antenna Hinge
- StarMu
- Solar Array Drive Assembly
- Dual Flex Heat Pipe
- Arcjet Life Test Extension
- Xenon/Helium Filter
- East/West Radiator
- Split Spool Release Device
- Hall Current Thruster Deployment
- Common Shear Tie
- Binary Phase Shift Key Uplink Downlink Unit
- Enhanced Remote Interface Unit
- CP Pressure Regulator Valve
- UBS Reflector
- Flight Software
- Medium Power Structure
- Gen-4 Hinge (Solar Array)
- Multi-Mission Solar Array
- Multi-Mission Array Deployer Assembly
- High Power Structure
- Thruster Gimbal Assembly
- Common Solar Array Drive Motor
- Duplex Linearized Travelling Wave Tube Assembly

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