

POPULAR SCIENCE

25th ANNUAL
BEST OF WHAT'S NEW

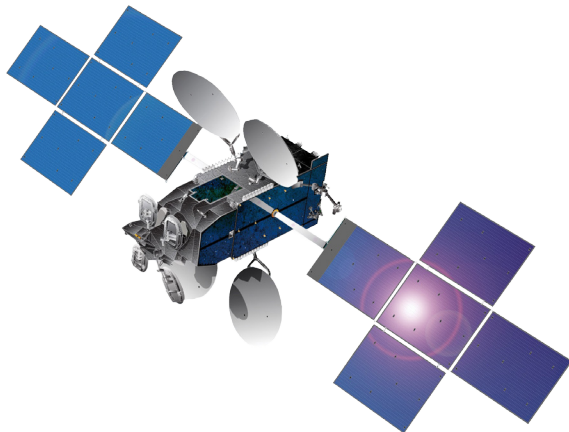
THE
FUTURE
NOW

SOFTWARE AUTO GADGETS GREEN ENGINEERING HOME AEROSPACE
SECURITY **HARDWARE** RECREATION HEALTH ENTERTAINMENT

25th ANNUAL
BEST OF
WHAT'S
NEW

hardware

Reporting by Lauren Aaronson, Darren Murph, and Matt Safford



VIASAT-1 Internet Anywhere

About 15 million Americans living in rural areas have problems loading media-heavy websites because they can't get access to high-speed Internet. To reach isolated homes—often hundreds of miles from wired connections—the company ViaSat launched ViaSat-1, the highest-capacity satellite in the world, capable of sending data at 140 gigabits per second to ground receivers. With download speeds of 12 megabits per second, the satellite broadband service delivers faster rates than DSL. Engineers increased the satellite's capacity by adding a number of small antennas; the extra hardware can transmit twice the usual amount of data-carrying beams, up to 72. Service from \$50/month



exede[®]
internet