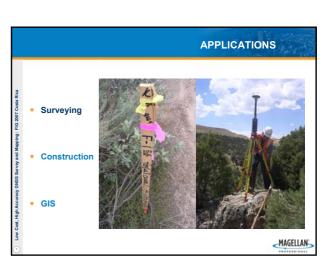




GNSS RECEIVERS REAL-TIME PERFORMANCE					
Rica		SINGLE- FREQUENCY RECEIVER	DUAL- FREQUENCY RECEIVER		
Low Cost, High Accuracy GNSS Survey and Mapping: FIG 2007 Costa Rica	ACCURACY	1 CM HORIZONTAL 2 CM VERTICAL	1 CM HORIZONTAL 2 CM VERTICAL		
	SKY OBSCURITY	OPEN SKY REQUIRED	PARTIAL SKY OCCLUSION POSSIBLE		
	TIME TO FIRST FIX (TTFF)	15 SECONDS TO 30 MINUTES	1 SECOND TO 1 MINUTE		
yw Cost, High Aα	BASELINE LENGTHS	UP TO 10 KILOMETERS	UP TO 40 KILOMETERS		
n ②	MAGELLAN				

TECHNOLOGY ADVANCES - BLADE™
• <u>BaseLine Accuracy Determination Engine</u>
- Patented and Trademarked processing technique
- For use in real-time and post-processing scenarios
- Compatible with all current GNSS's
- Computes SBAS ranges
- Removes receiver and constellation biases
- Real-time centimeter and decimeter solutions
- Time To First Fix is reduced
- 3D attitude determination
-MAGELLA

	TECHNOLOGY ADVANCES				
Low Cost, High Accuracy GNSS Survey and Mapping: FIG 2007 Costa Rica		1978	2007		
	FUNCTION	Detect satellite in space	Compute centimeter position in real-time and port information to application software		
	COST	US\$ 225,000	US\$ 8		
	USES	Military only	Global user base within hundreds of disciplines		
ow Cost, High Ac	SIZE	318 Kg (700 lbs)	0.05 Kg (0.11 lbs)		
<u> </u>	MAGELLAN				

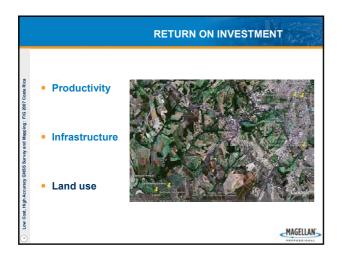


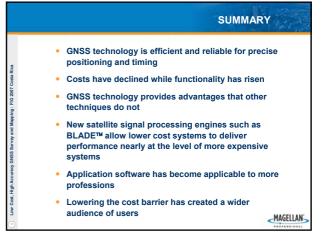












THE FUTURE

- GNSS are becoming a world-wide infrastructure
- More devices will have GNSS receivers embedded for tracking and/or control
- Lowering the cost barrier will fuel this expansion
- GNSS engineers will continue to innovate and create new techniques to improve performance
- · Productivity and usefulness will continue to increase
- The number of professions and users of GNSS will continue to grow



THE END

GRACIAS THANK YOU

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471 El Camino Real Santa Clara, CA 95050 USA
Phone: +1 909 553 5582 Email: jsass@magellangps.com

