

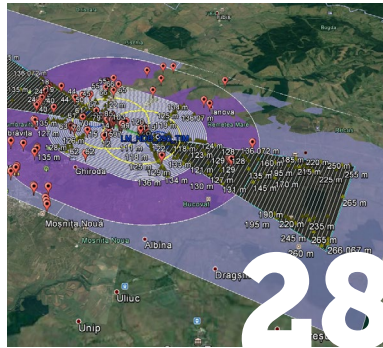
contents

ON THE COVER

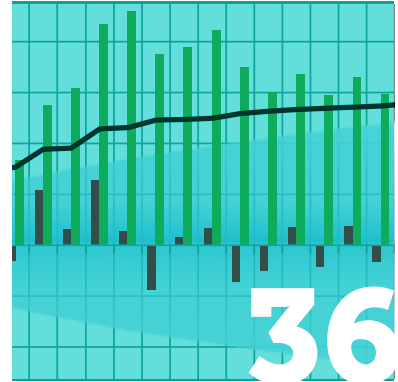


Texas surveyor Shawn Billings uses a Triumph-LS to establish a position under dense canopy.

12



28



36

features

8 Pre-Construction Plan Helps Build Winery Visitor Center

Software provides cut-fill, elevations, and slope for Stag's Leap Winery expansion in California.

JEFF WINKE

28 Rising Performance

A Romanian airport project proves that investing in new tools and expertise makes it easier to attract new business.

ERIK DAHLBERG

36 Surveying & Mapping Industry Economics: Improving the Chances of Success

This installment shows how measurement error theory can be applied to assess risk when operating a business.

LEE LOVELL, PS

departments

4 Decided Guidance: Applying Our Knowledge
"Over staking" existing monuments is a sub-professional act when performed by any surveyor.

JASON E. FOOSE, PS

6 Book Review: Patrick Chura's *Thoreau The Land Surveyor*
Just in time for this year's *Rendezvous*, a look at Thoreau's life as a surveyor.

PATRICK C. GARNER, PS

12 Product Review: JAVAD Triumph-LS Rover—
A Technical Review, Part 1
A Massachusetts surveyor puts the unit through an exhaustive trial. Part 2 will cover the software.

PATRICK C. GARNER, PS

40 Vantage Point: Headlines That Make Surveyors Great Conversationalists
Headlines provide us with opportunities to show how wide-ranging surveyors' knowledge is.

WENDY LATHROP, PS, CFM



AmeriSurv To Go!
Get the most from this magazine on your tablet or laptop.

in this issue

2 Thought Leader: What's Old—What's New
Young tech-savvy surveyors will adapt as we once did with computers and GPS.

ROBERT W. FOSTER, PE, PS

34 MarketPlace