

"Innovation is not the product of logical thought, although the result is tied to logical structure."

Albert Einstein

## Proof Engineering Newsletter - December, 2010

### Proof Designs a Solar Tracker Array

During the past summer, the team at Proof Engineering was pleased to have completed a 386 megawatt solar tracker system. Working with Viasol Energy Solutions, we designed a photovoltaic single axis tracking array that is now positioned atop the Fulton Center parking garage at ASU's main campus in Tempe, Arizona. By utilizing advanced CAE programs and techniques we were able to reduce the amount of steel used, as well as improving on fabrication and assembly time over previous systems.



### Proof Engineering's One Year Anniversary

With the first year under our belt, we have completed many successful projects for both repeat and new customers. From custom machines to large equipment analysis and everything in between, Proof is excited to have worked on a wide variety of jobs. Through these experiences, we have garnered new skills and technical knowhow that will help us to become a better and more efficient company going forward.

Contributing to our success, Proof Engineering now has a well equipped prototype shop including two milling machines, a lathe, two bandsaws, inspection equipment, and hopefully a welder for Christmas. We have also updated our website to improve the overall look, and be simpler to navigate through and find specific information. Most of all, a very big "Thank You" to all of our customers for making this year possible, and successful.

### Website Preview: Vehicle Systems and Components

As threats to military vehicles become more sophisticated, the importance of protecting the occupants becomes an increasing priority. Vehicles are continually evolving to improve survivability, communications, and mobility in any given circumstance. This is understood by the team at Proof Engineering, bringing together years of automotive experience that is applied to military vehicles, creating true leap-ahead technology.



### A Note from our Managing Partner

Holiday greetings to everyone! Looking back to the past twelve month, I have to say that this was a bumpy road but also a fun ride at the same time. Over the year, we were fortunate to secure many new customers, acquire new engineering tools and capabilities, develop some promising partnerships, and, god forbid, even made a little profit. This all happened because of hard work of our team and support of our customers. We're looking forward to the new challenges and opportunities that the next year will bring.

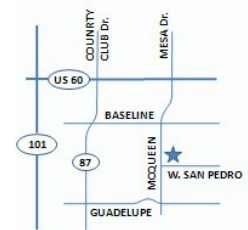
I invite you to review our new website and get to know Proof Engineering. You'll find a large portfolio of technical offerings and engineering capabilities. You'll learn that our clients' challenges are treated with urgency and respect, and we work relentlessly to meet their expectations. If you have any questions about Proof Engineering please feel free to contact me at [mkremer@proofengineering.com](mailto:mkremer@proofengineering.com)

Michael Kremer P. E.



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## What we do

We are engineering problem solvers who can help you to:

- Develop or improve on products
- Reduce manufacturing costs
- Resolve technical issues
- Investigate and correct failure
- Design test and validate programs
- Comply with safety regulations
- Support FEA and CAD functions

## Our Specialties

- Solar energy projects
- Material handling equipment
- Manufacturing automation
- Specialty vehicle design
- Transportation seating systems
- System integration
- Design for manufacturing
- Functional prototypes
- Jig and fixture design