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Dennis McArthur, VNE Aerospace  
Reseda, California

**Challenge**

Geographically dispersed consultants using photos to communicate about aerospace certification and quality process search for a better solution.

**Solution**

eBeam Projection provides means by which to share diagrams with annotations, part numbers and other essential information to the aid FAA certification process.

**Benefits**

- Annotation tool enables mark-up of photos and drawings
- Meetings are captured in-context for review at later date
- Intuitive features minimize learning curve with interactive technology

**Location**

Reseda, California



## Designated Airworthiness Representative Uses eBeam to Aid FAA Certification Process

In mid-2009, aerospace consultant Dennis McArthur decided to review interactive whiteboard solutions in order to install one in the meeting room at VNE Aerospace headquarters. When a colleague showed him an eBeam “It was way, way, way ahead of the competition because it doesn’t require a board or special installation and we could pack it up and take it to someone else’s office,” said McArthur.

McArthur and his team of consultants have since integrated the eBeam into their work process. VNE Aerospace is authorized to do inspection work for the FAA. Type Certificates, issued by aviation regulation bodies, provide detailed specifications for aircraft. Once a new component – such as a seat – is introduced to aircraft, a supplemental certificate to the Type Certificate must be issued. McArthur works with manufacturers and Designated Engineering Representatives to certify new components.

Prior to using eBeam, McArthur took photographs of diagrams and notes and emailed the photos to those working on a certification project.

“With eBeam, we project a picture of aircraft, annotate right on the picture, write the part number, distance, etc. and email everything right after the meeting—and there’s no need to take minutes,” said McArthur who notes that 80 percent of files are saved/sent as PDFs and 20 percent are saved/sent as JPEGs.

McArthur likes the eBeam interface and integration with desktop applications. “Instead of having multiple windows open, I now have only one with everything I need.”

 eBeam<sup>®</sup>projection



A “two-minute” set up overview is mounted on the whiteboard of the company’s meeting room that explains to how use eBeam. Often two engineers collaborate by passing an eBeam stylus back and forth, according to McArthur.

“One idea will be presented on the board, then another engineer may come up to create a new whiteboard page with his idea ...at the end, a final page is created that combines the two ideas,” said McArthur.

The team at VNE Aerospace also uses eBeam to review past drawings and meeting notes. They may go back to files from three days or three months ago, according to McArthur.

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