

# CASE STUDY



## ABOUT ELIAS TOBIAS

Elias Tobias is a Professional Civil Engineer from Brazil working in Canada, who is tasked with inspecting construction sites to ensure that projects are progressing in accordance with the approved drawings on file. On any given day, Elias will compare civil engineering, structural, electrical, mechanical and architectural drawings to the actual work being done in the field. If any part of the project is out of compliance, Elias must indicate the exact location of the problem on the appropriate drawing, and report it to the project manager in the head office.

## THE CHALLENGE

The documents Elias brings to the field are very large, A0-sized PDF documents, which measure 33.1 by 46.8 inches, (841 by 1,189 millimeters) and can include up to 50 pages. Each day, prior to heading out to a new job site, Elias had to print and roll the documents he needed for the inspections – a time-consuming and difficult task – and tuck them into his truck until the end of each job.

Once in the field, Elias had to unroll the documents, and flip through the pages until he found the area that corresponded to the work he was inspecting. Often, the job site was windy, making it difficult to study and compare the document to worksite.

“Every day I’d have a stack of A0 documents, each one was around 50 pages long. I’d pull a roll, roll it out to the ground and search for the portion I needed. If it was windy, I couldn’t read anything,” Elias explained.

Reporting issues to the project manager was also a problem. He either had to write it down and attempt to scan that portion of the document, or simply describe the problem in an email message. But, as Elias explains, “It’s really difficult to describe a drawing!”

## THE SOLUTION

Elias purchased an iPad and installed Large Viewer™, Corporate Smalltalk Consulting’s mobility app that allows users to view very large documents such as blueprints, electrical grids, and design schemes on their iOS devices. Large Viewer places no limit on the number of pages a user can view; in fact, users are limited only by the storage capacity of their devices.

The Large Viewer app also features a proprietary approach to document decoding, which enables instant rendering of documents on iOS mobile devices. Once rendered, users can easily scroll the document’s pages, as well as zoom in and out of any part of their documents – essentially providing a MacBook Pro-like experience on an iPhone or an iPad. “Now I can flip through these pages with my finger,” Elias said.

## TANGIBLE RESULTS

Today, rather than printing the PDFs Elias needs for the day, he simply downloads them from the corporate servers to his iPad and files them in folders he has created for each jobsite. The process takes just a few minutes, giving him much more time to spend in the field inspecting work.

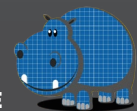
Now when Elias arrives at a job site, he has all of the drawings he needs on his iPad. He can select documents and scroll through the pages quickly and easily, regardless of the wind conditions. And because Large Viewer retains all



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of the minute detail of the PDF drawings, Elias can easily zoom in to the specific portion of the drawing he needs. He can even receive last minute changes from the head office via email, saving a trip to the office.

And thanks to Large Viewer's email functionality, whenever Elias identifies a problem, he can simply tap on an icon, point out the problem, and send the appropriate section of the document to the project manager directly from his iPhone.

"Large Viewer saves me a tremendous amount of time, and it's so much easier to use than A0-size paper PDFs. It has really improved working conditions for me," Elias said. "And it is VERY, VERY fast. There's no other app on the market that can handle large PDF files like Large Viewer."

#### **ABOUT CORPORATE SMALLTALK CONSULTING**

Since 2008, Corporate Smalltalk Consulting (Corporate Smalltalk) has helped large multinational corporations, professionals and government organizations overcome the last remaining challenges to mobility: Viewing and accessing large and non-standard documents on iOS mobile devices. We offer a number of applications that enable engineers, architects, design firms, minerals, law firms and a host of other professionals to access, view, print, email and convert-to-PDF their non-Microsoft Office documents while they're away from their computers. Additionally Corporate Smalltalk's proprietary approach to viewing provides for instantaneous rendering of documents, delivering a MacBook Pro™-like experience on iOS mobile devices

Corporate Smalltalk was founded in 1994 and initially focused on Smalltalk Virtual Machines and provided services to such clients as Disney, MIT, and the governments of Canada and Germany. In the spring of 2008, Corporate Smalltalk Consulting was one of the first companies in Canada to be granted a license to write iPhone apps for the Apple Store. Today we offer numerous apps to promote mobility, Large Viewer™, PDF, PDF Viewer, Tiff Fax Viewer+™, Fax Reader™, Tiff, LargeMaps™, USB Stick™, Can Opener™, Aeronautical Charts™, and others, and are available in the iTunes App store.



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