

# StringBean Technologies

## Changing The Game In Construction Field Reporting

By GEA Consulting Engineers



Business owners are always looking for ways to increase efficiency and profitability. That is the nature of any business, regardless of industry or size. In recent years, GEA has been expanding our services to include commissioning and special inspections. Commissioning involves the physical assessment of the installed equipment in a new or retrofitted building with regard to proper operation per design, and per code requirements. The commissioning process requires multiple checklists for each equipment type. These checklists include pre-functional, functional and final. For large buildings, this commissioning process can be quite daunting without some type of roadmap. Special inspections are similar but require a different type of reporting format. The reports are specific and highly regulated for each type of inspection such as mechanical, heating, chimney, sprinkler, etc.

Rather than use checklist or report templates, which would require a “save as” each time you use one, we desired a mobile solution to prepare these reports “in-progress” while in the field. We looked into StringBean Technologies as a solution to our mobile needs. We liked the fact that rather than returning to the office, downloading the pictures, choosing and labeling the pictures, assembling the report, etc., the entire report could be completed and filed while still in the field via the engineer’s mobile device.

### Side by Side Cost Analysis (Total Commissioning site work)

	Without Stringbean				With Stringbean			
	Time	Cost*	Cost for (5) contracted visits		Time	Cost*	Cost for (5) contracted visits	Savings
Field observations	3	\$ 90.00	\$ 1,350.00		3.5	\$ 90.00	\$ 1,575.00	\$ (225.00)
Report Prep	4	\$ 90.00	\$ 1,800.00		1	\$ 90.00	\$ 450.00	\$ 1,350.00
Total			\$ 3,150.00				\$ 2,025.00	\$ 1,125.00
								35.7% savings

### Side by Side Cost Analysis (Per visit site work)

	Without Stringbean				With Stringbean			
	Time	Cost*	Cost for each contracted visits		Time	Cost*	Cost for (1) contracted visit	Savings
Field observations	3	\$ 90.00	\$ 270.00		3.5	\$ 90.00	\$ 315.00	\$ (45.00)
Report Prep	4	\$ 90.00	\$ 360.00		1	\$ 90.00	\$ 90.00	\$ 270.00
Total			\$ 630.00				\$ 405.00	\$ 225.00
								35.7% savings

\*Using arbitrary numbers for illustration

***With StringBean, GEA is able to devote its resources to a quicker, more comprehensive report delivery in the shortest possible turnaround times while maximizing profits.***

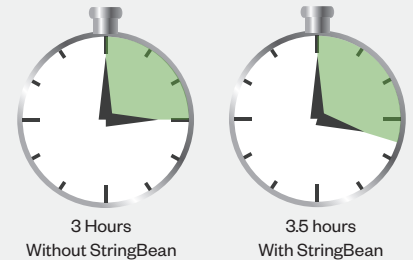
We started working with the StringBean app on a trial basis and soon found that we desired additional functionality to tailor our mobile experience to our specific needs. For example, during a typical inspection we may take hundreds of photos of various construction details. However, only a few of those pictures would end up in the final report. We desired a way to identify which of those pictures would flow thru to the final report and a way to caption those pictures in the field. StringBean developed a hashtag feature to help facilitate identifying specific beans (photo, notes, etc.) while inspecting sites and completing workflows (“StringBeans”). This then flows through to the report, so that photos can be captioned, and selected right from StringBean, without having to separately download and sift through all the photos.

We liked that feature so much but found it necessary for an easier method to take multiple photos in quick succession. In response, StringBean developed a new function that completely streamlined the inspector’s process of taking, annotating and hashtagging multiple photos at once. It also allowed us to export photos from the StringBean app for use elsewhere as required. Previously, all the photos were stored on the StringBean cloud.

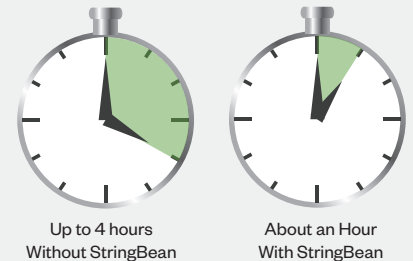
Finally, StringBean created custom commissioning and special inspection report formats, tailored to our specific business and operational requirements. GEA has been using StringBean for close to half a year and it has significantly increased our productivity in completing these reports. GEA is getting ready to purchase additional user licenses so that all of our engineers, not only those doing commissioning or special inspections, can take advantage of the time savings afforded us by the StringBean app.



### Time in Field



### Time Spent on Report

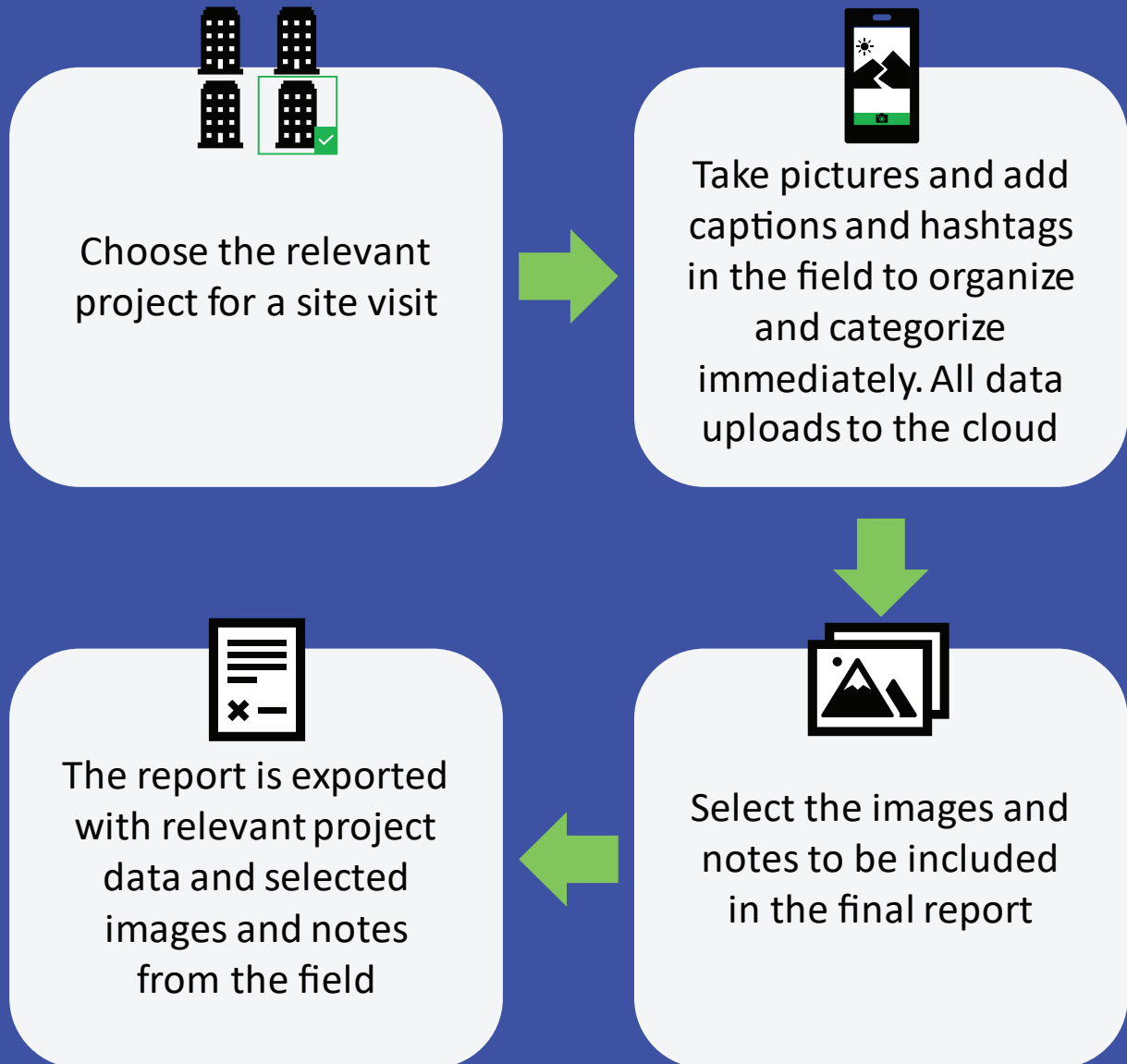


**Cross-Platform Compatibility**  
iOS and Android



**TECH FORWARD ENGINEERING**

# How Easy is it to Use StringBean in the Field?



**StringBean**  
Technologies

**GEA**  
CONSULTING ENGINEERS