

# The E-Insider: Special Edition Technology in Construction

*"Insider Tips To Make Your Business Run Faster, Easier And More Profitably"*

## Free Report Download: If You Are Considering Cloud Computing For Your Company—Don't, Until You Read This...

### INTRO TO CLOUD COMPUTING

"5 Critical Facts Every Business Owner Must Know Before Moving Their Network To The Cloud"



Discover What Most IT Consultants Don't Know Or Won't Tell You About Moving Your Company's Network To The Cloud

If you are considering cloud computing or Office 365 to save money and simplify IT, it is extremely important that you get and read this special report, **"5 Critical Facts Every Business Owner Must Know Before Moving Their Network To The Cloud."**

This report discusses in simple, non-technical terms the pros and cons of cloud computing, data security, how to choose a cloud provider, as well as 3

little-known facts that most IT consultants don't know or won't tell you about cloud computing that could end up causing you MORE problems and costing you more money than you anticipated.

Even if you aren't ready to move to the cloud yet, this report will give you the right information and questions to ask when the time comes.

Get Your Free Copy Today: <http://www.E-SafeTech.com/cloudreport>



"As a business owner in such a hands-on industry, you don't have time to waste on dealing with technology issues. That's where we shine! Let us help you cut costs by implementing more technology on the way to making more money for your company!!

- Tim Steinour, E-Safe

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## Refer Someone You Know to E-Safe and Get: Two FREE Pitt Panther Football Tickets

Referrals play a big role in our journey to help the many business that we do with their IT support. To show our appreciation for all of the kind words and new business you provide, we want to give you a couple tickets for a Pitt Panthers football game just for telling your vendors, associates, and colleagues about E-Safe Technologies. All you have to do is **refer one person** who agrees to meet with us and we will send you (2) tickets to attend a 2015 Pitt Panthers football game as our way of saying thank you. We'll also send the people that you refer who meet with us a voucher entitling them to (2) FREE HOURS of computer support so everyone wins!!!

**For more information on this offer, please contact our office at (412) 944-2424**

Get More Free Tips, Tools and Services At Our Web Site: [www.E-SafeTech.com](http://www.E-SafeTech.com)

# A Few Emerging Construction Technology Trends

Each and every year we see more and more advancements regarding technology across all industries. Many could argue however that one industry seeing the most rapid technological adaptations would be the construction and development industry. Many firms in this industry are taking advantage of the major benefits in utilizing more technology and realize that in order to stay competitive, it is something that must be done. Lauren Hasegawa, an expert on the topic states, “The threat of this growing technological divide makes right now a more important time than ever for construction professionals to pay attention to emerging trends in technology and ideate around how these trends can help in the industry.” Even with this urgency being reality, many of these firms are finding it very difficult to make the jump many onsite technologies and moving towards fully paperless jobsites.”

With this in mind, let’s take a look at a few of the recent emerging trends when it comes to technologies being used in the construction industry. For more information on any of these technologies, feel free to call our office or visit us online.

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**Device convergence: Phablets are replacing on-site tablets** – Phablets, which are essentially smart phones with screens that are larger than an average smartphone’s, but smaller than a tablet’s, are becoming more and more common for construction firms of all sizes. A good example of a phablet would be the recently released Apple iPhone 6 Plus. After years of contemplating whether or not to deploy tablets on the job site, construction professionals tied up on the large sizes of iPads and other tablets now have a solution that will provide them with the best of both worlds.

**Increased BIM and VDC accessibility with augmented reality and wearables** – With augmented reality technologies like Google Glass, users are able to see a digital image superimposed with or beside their view of the real world. By using technologies like this in construction, the potential is there to increase accessibility of BIM and virtual design on the job site. Lauren Hasegawa explains further:

“Using GPS already present in most augmented reality technologies, the user could sync their location data to a BIM model. In doing so, they would have the ability to see the 3D virtual view of the construction overlaid on the real-world view of the jobsite with the click of a button. An interesting area to keep an eye on are technologies that make BIM data easier to manipulate for non-BIM experts via one-click options and user-friendly design.”

**Near-field communications (NFC) is becoming more popular** - NFC, also known as near-field communications is a form of data exchange that is more secure and allows for data to be transferred from physical tags onto NFC-enabled devices. A current, very popular, use of NFC is that of mobile payments which allows users to “tap to pay” from their mobile device. This technology is currently available on many Android and Windows devices and was recently released on the new iPhone 6. We can definitely expect to see many uses for this technology in the construction industry as this technology continues to grow in popularity as a form of data exchange. Some great examples for use of NFC in this industry would include materials tracking, prefabrication, and workforce management.

Any new technology that is released to the world may have extremely relevant applications in the construction industry. Diving deep into these technologies in search of uses that fit well with your company is the key to getting ahead of your competition. As we have seen in the past few decades, technology will never cease to amaze us!

SOURCE: [www.ForConstructionPros.com](http://www.ForConstructionPros.com)

## Shiny New Gadget Of The Month:



### FLIR Thermal Camera

A very interesting new product has hit the technology market and will have a very positive impact on the construction industry. The second-generation FLIR One thermal camera is now available for both Android and Apple devices. The first generation of this technology from FLIR was imbedded into an iPhone case but is now a standalone accessory with a battery built in. This thermal camera can be attached to an iPhone via a Lightning connector or to Android phones and tablets via microUSB. The camera in the second-gen unit also is equipped with four times the resolution of the first-generation camera.

Uses for thermal cameras like this include surveying of a home to be sure that there is not hot or cold air leaking out which could lead to higher electricity or heating bills. You could also use this technology to help you detect possibly dangerous heat sources such as smoldering coals or a small flame if you were to smell something burning but could not pinpoint the exact source or location. You can currently purchase the FLIR second-gen thermal camera from FLIR's website for \$250 or if you don't mind the lower resolution, the original gen-one camera costs \$150.

Source: [www.engadget.com](http://www.engadget.com)

## Vacation Alert!

### The ONE Thing You And Your Employees Should NEVER Do When On Vacation

'Tis the season when you and your team will be taking a little time off to head to the beach or your favorite vacation spot, and while we know we *should* completely disconnect from work, most of us will still check e-mail and do a little work while away — and that could end up causing some issues if you're not careful while working remote.

So before you head off to have a little fun with your laptop tucked under your arm, keep this in mind: never automatically connect to "any available network." Not all Internet connections are secure, so if you're going to log in to the company's network, e-mail or other critical cloud apps that are hosting sensitive information, **ONLY** do so on a trusted, secured WiFi and **NEVER** a public one. We recommend investing in a personal MiFi device that acts as a mobile WiFi hotspot IF you're going to be traveling a lot and accessing company info.

Second, turn off the ability to automatically connect for all of your mobile devices and laptops. You will still be able to connect manually, but it will prevent your laptop or device from connecting to a questionable network without your consent or knowledge.

Finally, disable all printer and file-sharing options on your mobile devices. This is another way hackers can gain access to your network. In an ideal world, you and your employees would take a true break from work, but if they aren't able to completely detach themselves, then at least require them to stay safe using the above tips.

### Client Spotlight: Shannon Construction



"E-Safe took the time to understand our company process and communicated every step of the way during the on-boarding process with no surprises or interruptions to our daily operations. Every technician on the help desk team is familiar with our network operation so problems are resolved quickly. E-Safe is flexible to adapt to our needs and keep us informed of outages as needed."

-Angela Bronder, Controller

**MAIL TO:**

# SPECIAL EDITION

## Technology is Taking Over the Construction Industry!

More and more construction companies are implementing aspects of technology into their business model to **cut costs** by simply becoming more technologically advanced. There are so many ways that adding technology to the way you do business can help you to generate more business and work more efficiently.

We at E-Safe Technologies offer a great selection of products and services that can help you cut costs and **make more money!** Everyday another company similar to yours adds products or services like these to their business strategy and sees great results! Keep with the competition and get in contact with us today!

[www.E-SafeTech.com](http://www.E-SafeTech.com)

These services could make a big difference for you:

- ♦ Managed Services
- ♦ Custom On-Site Application Development
- ♦ Business Continuity Planning
- ♦ Virtualization
- ♦ Cloud Services
- ♦ IT Security
- ♦ Email and Spam Protection

Because we are sure that we can help your company succeed, we are willing to give you a free assessment in order to show you how the services we offer can help you in so many ways. All you have to do is call our office to set up an appointment to meet with a member of the E-Safe team!