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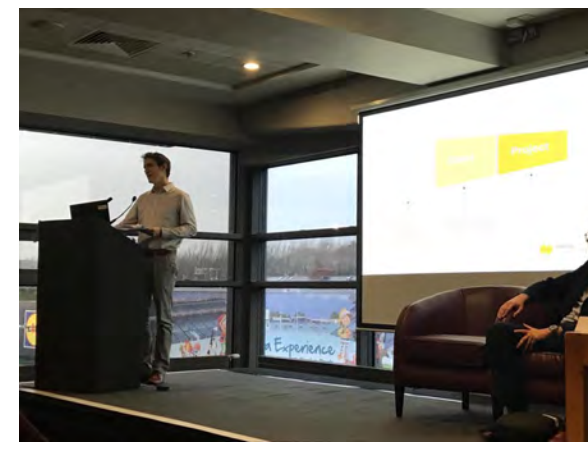


Lean Construction Ireland National Conference 2018

To coincide with the Book of Cases book launch Lean Construction Ireland held it's first National Conference in Croke Park last Tuesday, November 20th. With the theme of "Inspiring our Future in Construction" several keynote speakers and 8 streams enlightened us into the world of successful Lean Thinking in the Construction Industry. The streams ran simultaneously, 4 in the morning and 4 in the afternoon with the following headings:

- A. Public Projects
- B. Private Projects
- C. Home Building
- D. International Best Practices
- E. Public Projects (Cont.)
- F. Private Projects (Cont.)
- G. Lean in Contracts
- H. Lean Technologies

Our own Rob Hughes gave a presentation entitled, "Closing the Gap - Engineering Site Services" Rob spoke about the benefits of having a Geo-Survey division within the Jones Engineering Group. A specialist division developed to look at improved data capture from site, and design implementation to site. He outlined many considerable gains and improvements, such as the integration of 3D Laser Scanning into the Jones Engineering portfolio – producing 3D point cloud data for both design and validation purposes. As we said in LEAN Times 68, Jones Engineering sponsored keynote speaker, Rafael Sacks—Professor, Civil and Environmental Engineering, Technion—Israel Institute of Technology. Professor Sacks is President of the International Group for Lean Construction which will hold it's next annual conference in Dublin 1st to 7th July 2019.



Rob Hughes—Closing the Gap

Jones Engineering also had a stand at the LCI event showcasing our Lean successes and practises.



Jones Engineering Lean Dept's. Ray Curley and Simon Watson with Patrick Gill from our Geo-Surveying Division at the Jones Engineering stand.



2018 Secret Santa Page 3

LEAN Times

Monthly Update of JEG Lean Information

LEAN Goes Dutch QSP's reviewed for IT & Training

Lean Construction Ireland

Monday the 19th of November the Lean Construction Ireland Book of Cases was launched in Dublin at the McCann Fitzgerald building on Sir John Rogersons Quay. The new annual LCI Book of Cases will provide examples from across the Irish Construction sector where organisations and companies, both public and private, have delivered real tangible value and benefits by adopting Lean thinking and practices as part of the project delivery process. Each Case within the LCI Book describes the project where Lean was adopted, the challenge or opportunity that led to Lean thinking and practice being implemented, and describes how this has resulted in successful outcomes and value for all stakeholders. This Book will be a hugely valuable resource and reference for the Irish Construction sector providing detailed practical examples of Lean being implemented on capital projects within the sector, highlight those companies and organisations that are adopting Lean, as well as being a reference for individuals within the sector seeking to develop their knowledge and understanding of Lean.

Pictured below: Tom Parlon (CIF), Richard Fitzpatrick (LCi) & Darrin Taylor (WIT).



We are proud to say that the first case study in the book is by Jones Engineering. The case study explains how change was required on several fronts of a major project in a semi-conductor plant in Kildare.

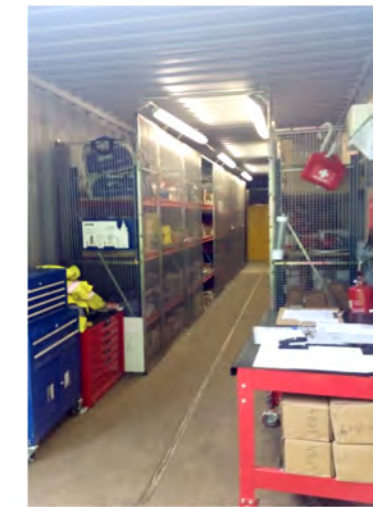
To request a free copy, please email lynn@boxmedia.ie



Jim Ryan and Shaun O'Riordan from Jones Engineering Holland

How much time have we lost looking for tools, fittings, etc. over the years through untidy and unorganised stores? We have advocated the use of 5S on all our projects to eliminate this waste of time, material and many other resources. The Project Team based at MSD Oss Nederland have taken this completely on board. They have transformed a 40' container from an empty shell into a fully contained, secure, mobile storage facility which would enhance any construction project. Construction Manager Jim Ryan tells us, "The container is completely fitted out with shelving, lockable cages, chemical storage and also contains a selection of lifting slings, chain blocks, shackles, power tools and welding equipment. It is fully wired for lighting and power outlets and just needs to be connected to a power supply when it arrives on site." Jim goes on to explain, "this is a great example of how to maximise efficiency during site Set-up. The container can

be transported from one project to another without the need to dismantle anything." Pictured above is Jim's namesake and no relation he tells us, Jim Ryan (Jim eile), and his assistant Shaun O'Riordan who manage the control of materials and plant on this project.



GOT A STORY TO TELL?WELL, WHAT'S THE STORY BUD?

If anyone has information or news they want to share regarding innovations or Lean Principles on their site, or maybe you have an article or story you want to share. Please feel free to contact the LEAN Development Group at the email address below and we will be delighted to help.

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“Every once in a while, a new technology, an old problem, and a big idea turn into an innovation.” James Comey

The next two in our series of JEG Quality System Procedures to be featured are :-
[QSP 02 I.T. Resource Management](#)
[QSP 04 Manpower and Training](#)

What does I.T. do for us?

There are four main procedures carried out by our I.T. department that are covered under the I.T. QSP
 These are:-

1. Data backup and restore
2. User account setup and user access controls
3. Internet and e-mail access
4. Advanced threat prevention and antivirus controls

No. 3 above is the first thing that anyone looks for when they walk onto a new site or into a new company office and we all expect it to be there waiting for us. In fact, you can take this a step further, because nowadays in this age of connectivity where 5 billion people (two thirds of the world’s population) now have a mobile phone connection, we expect to be connected pretty much everywhere we go.

It’s only when we have a problem with this connectivity that we realise how much we actually use it and rely on it to carry out our daily activities.

No. 1, 2 and 4 above pretty much happen in the background once implemented, but if there are faults in any of these areas, or systems are not set up and maintained correctly they can be extremely damaging to a company.

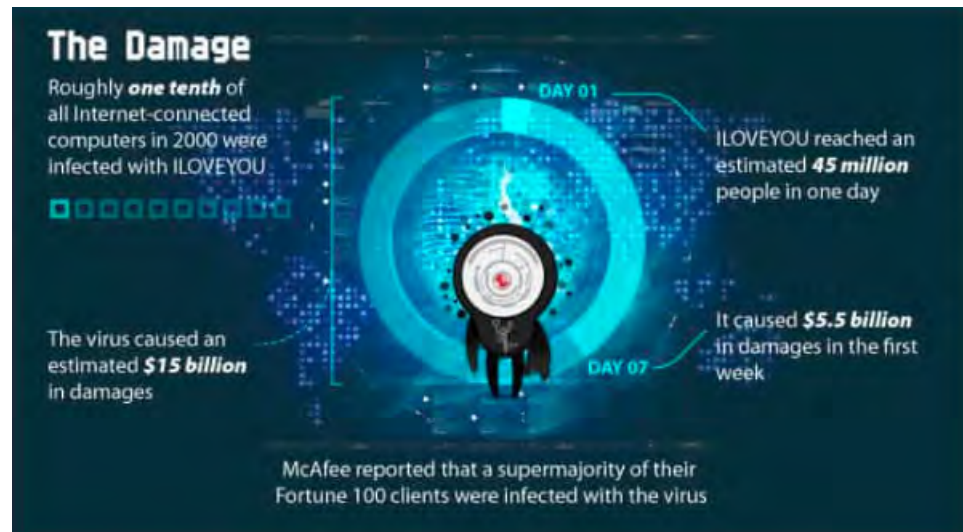
Damage from Virus

Since the very first computer virus spread like wildfire by infecting floppy disks, viruses have gone on to cause millions in damages across the globe. Governments and big companies are not the only ones at risk. Your computer can be hacked by computer viruses as well, giving hackers access to your personal information, corrupting your data, wiping your hard drive, and even using your computer to spread the virus to your friends and family.

One of the most invasive viruses appeared in 2000 and originated from the Philippines.

“ILOVEYOU”

The e-mail’s subject line would say that it was a love letter from a secret admirer. It would overwrite file types with copies of itself to allow it to continue spreading if the original version was removed from the computer.



I.T. Policy

A series of guidelines have been put in place in the form of the JEG I.T. Policy and every user acknowledges their agreement to adhere to these by signing the policy prior to being assigned a Windows domain account.

Software Backups

Project managers within the company are all responsible to ensure that project records are backed up to a documented site schedule. Each of us also have folders and files stored locally on our own machines and need to remember that these also need to be backed up regularly.

Keeping up with improving technology

Where a hardware asset is required a ticket is logged in the KACE system, the relevant manager approves the request and the asset is purchased and given a JEG tag number.



Up to the minute technology is constantly being implemented every time new assets are bought. Anyone remember using some of these?



Every twelve to eighteen months, computers double their capabilities, and so do the information technologies that use them.

QSP 04 Manpower and Training

Can you imagine the chaos we would be in if we didn’t manage recruitment and training of our staff!



Thankfully we don’t have too many guys like the ones above on our crews. We manage to avoid these guys because we have a process in place that verifies qualifications and checks references



before we start them. Similarly all staff recruited have their qualifications verified and attend an interview, so we don’t end up with a team of people like the ones above.

QSP 04 sets out the guidelines that are in place for us to recruit, train and record all of this information in a structured manner.

A series of start-up documentation has to be completed by each new employee and submitted prior to starting with the company. This allows for all new employees to be set up on our internal HR and Payroll systems before they start work and avoid any potential delays in getting paid.

Probation:-

Probation reports are completed after a set period of time to confirm that new employees are performing well and to the correct standards. This provides both sides with a way out, if they are not happy with the new position.

Procedure:-

The company has determined the competencies required for all personnel, and provides ongoing training to meet these requirements. There are two main areas within the training department, craft labour and staff.

Training:-

All training is carried out in a planned manner and records are maintained. Those at Engineer level will have to maintain their



own record of Continuous Professional Development (CPD) on Sharepoint.



Craft training is undertaken where any new technology is being introduced and to raise skill levels where a shortfall is identified (ie. Welding, first aid, confined space training etc.)

This can also be something as simple as when new tooling is purchased, the vendor provides training to all concerned.



Apprentice training can be either practical skills or theory based training or both where required. Supervision and management have specific training requirements reviewed

regularly with their line manager/HR. These can be anything from Presentation skills to Negotiation skills, to Excel or



Powerpoint training or can be a bespoke training session like How to deal with confrontational situations, where the need is identified

Evaluation of training:-

Anything successful has to be monitored to check if things are still effective and adjusted if improvements are required. For that reason the effectiveness of all of our training is evaluated under the following four criteria:

1. Supply of skills pool available to the company for projects
2. Succession planning
3. Management roles



4. Supervisor roles



Secret Santa 2018

If that wasn’t the quickest year ever I don’t know what was. It’s been 12 months already since Igor Gonzalez correctly guessed that last year’s Secret Santa was Mick O’Hanlon. So here we go again. See if you can guess who this is. There will be a nice prize for the winner. The winner will be drawn from all the correct entries received by COB 14/12/2018. Send your

“You cannot push anyone up the ladder unless

they are willing to climb.” Andrew Carnegie