

Driving for Work EHS-SOP 19

Both the Road Safety Authority (RSA) and the Health and Safety Authority (HSA) describe someone driving for work as "Any person who drives on a road as part of their work not including driving to and from work, either in

1. A company vehicle or
2. Their own vehicle (whilst receiving an allowance from their employer for it's use)



It doesn't matter what kind of vehicle you drive, there are risks associated with all of them.

Statistics show people who drive for a living are **40% more likely** than other drivers to be involved in a collision

As Jones Engineering has almost 100no.

Vehicles on the road, this is an important area for us to operate safely and efficiently.

Risk of accident increases hugely if you drive more than 40,000Km/year

The purpose of the Standard Operating Procedure is to make employees aware of legislation and provide a set of checklists to help this activity carry less risk and be easier to manage.

The Process:-

Just like any other task, if we have a process in place and everyone follows the process, it becomes the norm.

There is always room for improvement.

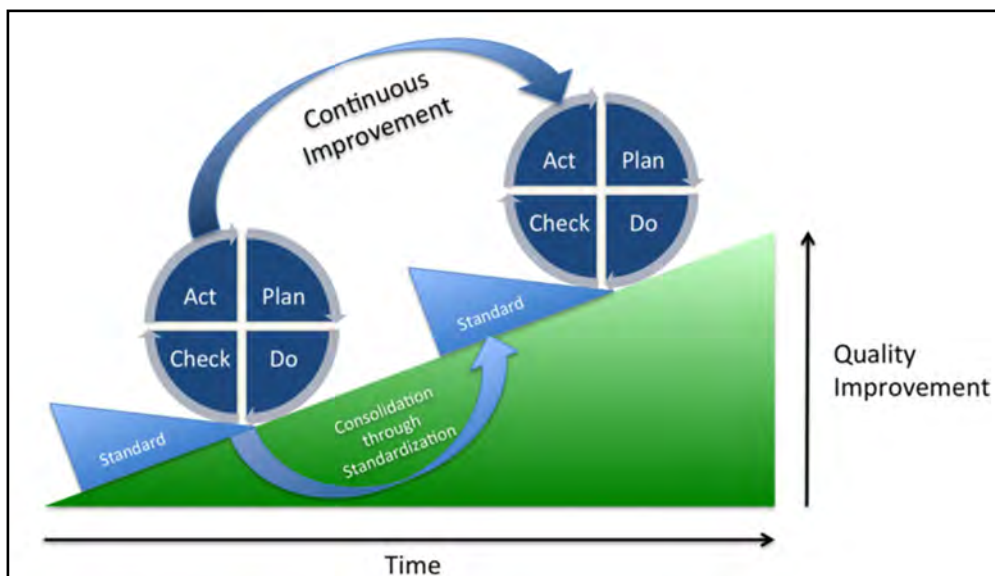
The process should be reviewed on a regu-

lar basis to see if it can be improved. The graphic below shows the Plan, Do, Check, Act process in use to find the best way to do something.

- Implement the plan
- Make this the standard (the norm)
- Review the process again
- Implement new changes
- Make this the new standard

The Current Plan:-

Things like "Securing the load", completing "Daily checklists" and ensuring "regular services" are completed, may seem like hard work, but if your cargo falls off, you run out of oil or you get a puncture due to low tyre tread depth, you will soon see the benefit of following the process, not losing time and staying efficient.



LEAN Times

Monthly Update of JEG Lean Information

Jones Engineering Vehicles and Plant
EHS-SOP 19 Driving for Work explained

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What you see is what you get!

We have all heard the saying, "you only get one chance to make a first impression." With that in mind Jones Engineering prides itself on how it's plant and equipment look. Our Marketing Department prides itself on the branding of our company assets and how everything appears. When your name is on something that is visible to the public you must make sure it clearly represents the message you are trying to send out. It is equally as important that the equipment is kept in good, clean and tidy condition. Impressions are perceived through appearances and a dirty, untidy vehicle or work area will give the impression that the people working there are dirty, careless and untidy and not likely to do a good job. Above is a picture of a van that a member of the Lean Department came across. Does this look like someone you would expect to do a good job. The first impression is of someone who is un-organised and careless. He now only has half a windscreen to see out of plus there is the risk of boxes or other items falling under his feet whilst driving.

Catch-up Corner

JEG Bio-energy division
Bio-energy QSP 19 Estimating and tender submission
&
QSP 20 Design, installation & commissioning
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Jones Engineering's Site Vehicle in The Netherlands

No job can be done well without the right tools, regardless of profession. This especially applies to the Construction Industry. As one of the largest M & E contractors in Ireland Jones Engineering has a massive array of tools, plant, vehicles and equipment to successfully complete any project we take on. As part of our Continuous Improvement ideology we are constantly upgrading our equipment with the latest technology and innovations from the marketplace.

Jones Engineering has never had an issue regarding sourcing or buying any equipment that is required to complete a project successfully.

We spoke recently during one of our LEAN training sessions about how top tradespeople could pick a tool from their toolbox blindfolded as they know where every tool is and their toolbox is

kept neat and tidy with a place for everything and everything in its place. When equipment and tools are treated with respect they can last for years. Jones Engineering has almost 10,000 items of plant and equipment across 190 live projects in Ireland, Europe and the Middle East., ranging from vehicles, drills, welding plants, geo-surveying equipment, specialist lifting gear, MEWPs, cutting equipment, compressors, gang boxes, grinders, ladders, threading machines, test equipment, transformers, safety equipment, laser levels, vacuums, cabins, containers, to name a few. In this month's issue we will highlight some of the specialist equipment Jones Engineering uses on a daily basis.



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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"Using the right tool for the job makes all the difference, but knowing which tool only comes with experience." Stoneware



Newly Branded Peugeot Expert

How do we move our material from site to site or workshop to site? Using the network of motorways now in Ireland we can move material, prefabricated pipe spools, cable drums and any equipment we need to move to anywhere in the country in a matter of hours.



Mitsubishi Canter Pick-Up

Jones Engineering has almost 100 vehicles on the road including 3 no. HGV's and 14 no. LGVs plus a fleet of every sized van and commercial vehicle, including an electric van.



Jones Engineering's first Electric Van

The electric van has the capability of doing almost 200km per day. This is ideal for any site based vehicle and it can be charged overnight for the price of boiling a kettle. Plus the environmental benefits.

The days of having workshops and compounds on site where everything for a project is fabricated and stored locally are gone. With the use of BIM technology we can prefabricate assemblies for any project from anywhere in the country. Using Just-in-Time delivery methods in workshops in Cork, Carlow, Derry, Kildare and Dublin, material is prefabricated for projects in Ireland and on the continent. Material that is prefabricated ranges from, cable trays, ladders, trunking, pre-cut cable, pipe spools, facility-racks, skids, and bracket set-out packs.



30ft Curtain Sider, one of three HGVs Jones Engineering have on the road



Jones Engineering Electrical Department cutting cable to length in Kildare facility for projects all over the country



16 Tonne gas powered forklift

It is not permitted to use diesel powered vehicles indoors due to fumes. This can lead to issues when lifting or moving heavy objects in workshops, warehouses, etc. To alleviate this issue our Specialist Lifting Department bought a gas powered fork-lift with the capability of lifting up to 16 tonnes. This forks can be used indoors or outdoors and is just one of the array of gas, battery and diesel powered forklifts Jones Engineering have ranging from 2 tonne to this 16 tonne Kalmar.



JCB 540-170

Jones Engineering own 14 no. teleporters consisting of JCB, Manitou and Caterpillar models. These all have a 4 tonne capacity and a reach of up to 18 meters. The machine in the picture above is our latest and was purchased specifically for the New Children's Hospital in Dublin. The image below shows our Manitou MRT2150 360 based in the Netherlands.



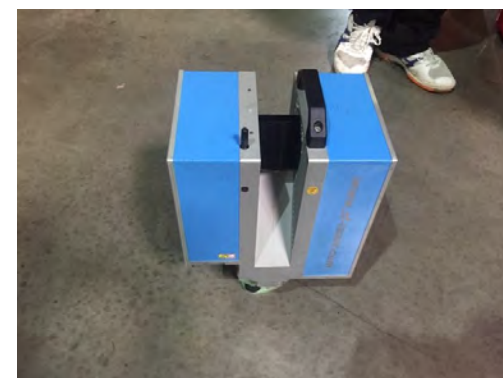
Geo-Survey Equipment

The Geo-Survey department uses high precision equipment, including Icon Stations, Total Stations, Laser Levels and 3D Laser Scanners to set out datum points, co-ordinates etc. on our projects and to check the accuracy of the installations.



Department Manager, Rob Hughes tells us, "High precision Setting Out ensures positional accuracy as the elements of design and build come together in a construction project. Optimal results are achieved through our stringent checking and in-house QA procedures, to ensure locations can be set out in any coordinate system to sub-millimetre accuracies."

These have been invaluable on several recent pharmaceutical projects where underground, double contained drains were installed. The total stations ensure the flanged POCs at the end of each spool are accurately located in the ground.



3D Laser Scanner

Our Specialist Lift Division have to deal with the lifting and moving of equipment that can sometimes weigh up to 50 tonnes. Some of this equipment can be vibration sensitive and worth millions. This division of the company has gained a reputation of being the best in their field for their reliability, safety, accuracy and for getting the job done. To do all this they have accumulated an arsenal of equipment to face any situation that may arise. Some of these tools are bespoke items they have developed themselves.



Sensitive equipment being moved using air skates

The Specialist Lift Division have several sets of air skates. Some of these have a 20 tonne capacity and incorporate a 6 port manifold for multiple hoses with the capability of moving any object with ease.



3 Tonne Electric Hoist

Electric Hoists are often used along with A-Frames to lift and drop heavy vessels and machinery onto plinths or to lower other items through openings in floors.



Bespoke Built A-Frames



Orbitalum 180 SW-Orbital Welding Plant

Jones Engineering was the first engineering company in Ireland to have an Orbital Welding Division and now has the largest Orbital Welding Division in the country with a huge armament of equipment including the latest hi-tech machines on the market. The Orbimat 180 SW plant comes with sustainable quality management through web-based productivity monitoring and 100% data recording. It also has automatic programming by entering the tube diameter, wall thickness, material and welding gas.

John Deere Gator

The image on the front page shows a John Deere Gator. With sites being so big nowadays the amount of non-productive time spent walking from place to place can be huge. These small site vehicles are ideal for getting personnel around quickly and efficiently.

"Talent wins games, but teamwork and intelligence win championships." Michael Jordan