

The Connector



FGP Systems AS9100 Report Overview

Gary Northway, Head of Quality, FGP Systems, FGP Lufton & RSC

As we continue to expand and develop we must ensure that our integrity and core disciplines are adhered to. We continue to demonstrate this with external auditors assessing and praising all 3 Aero sites on our performance and behaviours, every single one of us should be very proud of what has been achieved to date. Below an excerpt from the audit report completed this month at FGPS, Weymouth.

"The organisation demonstrated an exceptionally high commitment to quality and continual improvement. A very effective and mature quality management system is implemented with focus on performance, continual improvement and alignment to meet the organisations strategic direction.

No nonconformities were identified during the visit. The recommendation has been made for the organisation to maintain certification to AS9100D.

I would like to thank all the audit participants for their assistance and co-operation which enabled the audit to run smoothly and to schedule.

Strengths and Good Practices

- Monthly performance review meetings were seen to demonstrate KPI and process performance in line with aggressive targets, supported by appropriate actions. The work environment, particularly the manufacturing area, was deemed class leading set out in a cellular format utilising Lean and Six Sigma principles to ensure there is little waste, maximum utilisation of space and an exceptionally high standard of cleanliness.
- Raw material is stored in a purpose-built storage area (again impeccably tidy) with all material traceable back to incoming material certification.
- Introduction and implementation of Project Improvement/Charter Boards within each cell of the production facility – currently being trialled within the Automation Cell -looking at improvement of Productivity within the area.
- The roll out a new highly sophisticated electronic skills matrix database and personal Development Review system which are linked together to control and review skill levels across the organisation.
- The organisation utilise a red table review (MRB type) meeting in each cell, undertaken each day to review any nonconforming material from the previous day. A cross functional activity were root cause is effectively established at the meeting by use of 5 why and Manufacturing Engineering have a 24 hour time frame to implement any corrective actions to prevent re-occurrence. Again this was considered a class leading activity with results of internal and delivered product conformity significantly improving year on year.
- The use and development of SCIPPE System for reporting of live and accurate data from MRP for visibility of customer accounts, delivery progress, quality issues etc.
- The Electronic BMS - documented electronically, simplistically but specifically tailored to ensure sufficient information is documented to achieve conformity to standard and customer requirements. "



New Spray Booths

Derek Smith, Operations Director, RSC Ltd

April seen the installation of the new RSC spray booths. The original booths in Yeovil were installed in 2010 and have been constantly used over the past 9 years, the water back element with these always allowed itself with the risk of Legionella so moving away from this has been welcomed, even with constant maintenance plans we knew they were past their sell by date and were in desperate need of upgrade.

The booths will allow batches of work, that the process allows, to be

Cured in situ, eliminating the requirement to move to the main shop for air dry/cure, again subjecting wet paint to possible airborne particles.

RSC have invested in the latest technology and are please to say that installation is complete and commissioning is imminent, RSC are also due to have the flooring newly Epoxy surfaced and this will be reported later.

Seen here is Martin Evans , RSC Team Lead, and Spray Painter Daley Sampson, (Keep them clean Lads !!!!!)



Booth 1

Mixing Room

Booth 2

Fully insulated cabin – **maximising economy**

High power 7.5kw fans – **increasing airflow**

High power airflow = **increased productivity**

Reduced overspray – **reducing re-work**

Faster bake times – **maximising throughput**

Traceable data logging - **aerospace compatible**

Booth Control Panel

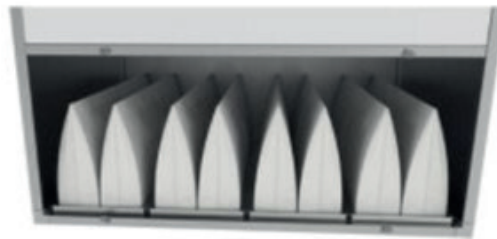
Derek Smith, Operations Director, RSC Ltd

- I-pad type touch screen pad
- Control panel with 9.2 inch colour touch screen
- PLC Inverter unit to adjust capacity and allow automatic pressure control
- Drying and flash-off cycles with customizable programs
- Unique eco-mode functions –saving £1000's on gas and electricity**
- automatic standby function for energy savings
- filter saturation monitoring
- Remote assistance contracts
- Date remoting on external unit as option.



Booth Control Panel

- New Design air supply generator/exhaust unit equipped with direct driven high-performance centrifugal fans
- high efficiency quiet-running motors and fans
- UNIQUE TWIN FILTER SYSTEM** Large pocket pre-filtering protecting the plant –in addition to the booth filters
- recirculation ventilation system in the drying phase to reduce power consumption

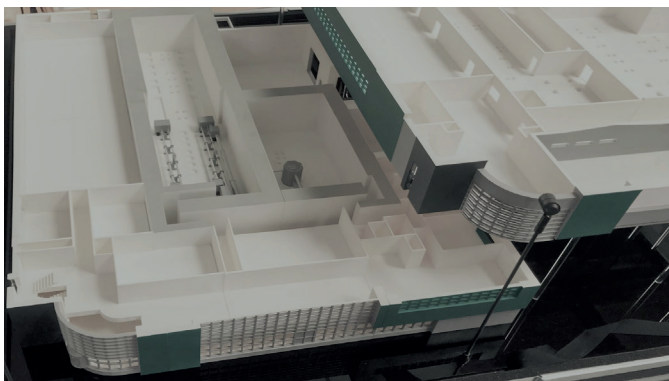
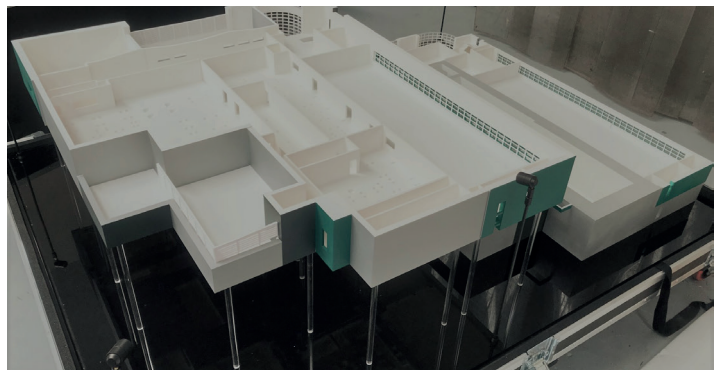


Another Day Another Venture

Derek Smith, Operations Director, RSC Ltd

One of RSC customers were contacted to create a 3D Model of a building superfast to allow it to be a show piece at an architectural meeting, Once fully assembled and fitted this would then be showcased in glass in the Company Foyer.

Whilst we cannot disclose the Company in question, it was extremely interesting to see the Interior set up , major wall structures that allowed their research into Particle Physics, scientific computing, laser development and Space



Training Centre News

Gearing up for the Class of 2019

Andrew Johnson, Apprentice Supervisor, FGP Systems Ltd

Apprenticeship applications are now being sought for this year's August Intake 6x Systems and 2x Lufton

In preparation for the new arrivals and to increase our capability and capacity we have purchased a new Europa Mill and Colchester Lathe. A significant and most welcome addition to our Training Centre.

This has given us the perfect opportunity to re-organise the workshop and our current apprentice cohort have set about a 5S exercise.

Do we need it?

Have we used it?

Where shall it live?

Problems we have experienced over the last year are: - tools and equipment pushed to the back of low cupboards, mixed sets of drills and cutters, tools locked in toolboxes with no access and lack of visual awareness. The next step for them now is how it all works and for this they will produce some standard operating procedures (SOP's). And with everything to hand and clearly marked these should be clear and concise.

Without the distraction of looking for, sorting through and making do, we can concentrate more of our effort on



the skills and behaviours required. Once the complete this activity will lead to Unit Certification in **Conducting business improvement activities**.

The Unit identifies the training and development required in order that the learner can demonstrate that they are competent in being able to conduct a business improvement activity using a systematic plan, do, check, act approach for an engineering manufacturing sector, creating a progression between education and employment and acting as a basis for the development of additional skills and occupational competencies in the working environment. They will be expected to adopt a systematic approach to conducting business improvement activities on an engineering/manufacturing operation or process to identify opportunities for the elimination of waste.



Just a thought..

"It is not the strongest that survive, nor the most intelligent, but the one, most responsive to change"

Charles Darwin (1809-82)

Honeywell Summit 2019

Paul Clark - Operations Director, FGP Systems Ltd

FGP Systems Nigel Pitman & Paul Clark representing Lufton & RSC invited to Phoenix for Global Supplier Summit

Honeywell have in excess of 3,000 Supplier worldwide, so invitation to this event is very selective only 200 suppliers were hand-picked by global commodity managers. FGP Systems were only 1 of 2 Suppliers invited from the UK. Selection criteria as you can imagine is based upon the supplier being seen as a strategic partner to Honeywell in terms of overall performance and integrated impact to business. This was a 2-day conference that covered a multitude of subjects and long term Strategies that would involve those suppliers invited firstly

Growth & Opportunity circa \$1b of targeted transition supported by 400 engineers in position also Technology (ALM) and Order replenishment systems. The other obvious advantage of networking with other suppliers including OEM's Boeing & GE. Both Nigel and myself had face to face time with Honeywell senior leadership, Including Paul Ebertz Chief Procurement Officer & Vice president Global sourcing & Advanced manufacturing Engineering captured presenting in photo. The strategy of early supplier engagement intent is in-keeping with what FGP / RSC group already do in support of Honeywell Yeovil Site. The take away for Both Nigel & Myself being real opportunity of growth and clear intent around strategy that leads to focused investment plan, training & recruitment strategy.



RECENT NEWS

Congratulations

Congratulations to Laura Batten on completing the 13.1 Mile Yeovil Half Marathon in 2:15:47!

Congratulations

Congratulations to Andrew Cross, Paul Murphy, Philip Hall, Sam Punell, Roderick Haywood and all First Year Apprentice's for the successful completion of your probation.

Congratulations

Congratulations on Tim Weeks for making the big 60

Congratulations

Congratulations to the FGP Systems Export team for passing your audit with zero non conformances.

Congratulations

Congratulations to Lee Spalding in taking part in the ONER Ultra Trail Run, which is an 82 mile run over the world famous Jurassic Coast-line with over ten thousand foot of ascent and a strict 24 hour time limit!

Well done

Well done to Fern Osmond for donating 30 centimeters of hair to the Little Princess Trust and raising money for Weldmar Hospicecare Trust.

Congratulations

Congratulations to David Brigg on his successful pass completion of his probation period. Welcome to group!

Want to say something special ? Email verity.pitman@fgpltd.co.uk to include your message in the next issue

"We Have Always Done It That Way"

Ian Rowe - Operations Director, FGP Lufton Ltd

"We have always done it that way."

There are the seven most expensive words in any business today. If you do not *change direction*, you may end up where you are heading!

"Climate Change" is also happening at FGP Lufton

So what has changed / is changing at FGP Lufton Ltd?

People: (Baseline being a factory with 29 Directs / 2 Indirects) Census increased from 31 to 43 personnel plus Apprentice/s, a total re-organisation and alignment to the Organisation Chart,. Our overall Employee Satisfaction and Morale has increased along with agility of personnel around new roles / processes / procedures

Business Approvals and Capabilities

Passed our site AS9100 Rev D Accreditation along with our NADCAP Accreditation around Metal Joining / Heat Treatment / NDT Qualification of onsite Source Certifying Agent (SCA) We now have full Planning and Programming Capability among-Master Scheduling Capability Blackbelt/Lean/Greenbelt accreditations

Capex & Plant Investment: (Illustrated)

Over the last year we have received Upgrading of Inspection and Metrology

Equipment, the purchase of additional 3 CNC Machines, Vacuum Furnace, full upgrade and overhaul of two existing Vacuum Furnaces and replaced three Welding Plants. To assist this we have new bespoke IT and Business Systems installation, an Operations office and full Conferencing facilities.

Productivity through investment

During this year we have seen an increase in plant uptimes and reliability, reduction in maintenance service repair costs multi manning through plant location and siting among negligible set up times and greatly reduced run times, consolidated programming and planning: 3 ops into 1 op, tooling technology and wear reduction: high pressure through coolant, reduction in consumable tooling spend and product deburred and thread hobbled as part of machine cycle along with Swarf recyclement.

Supply Chain and Services

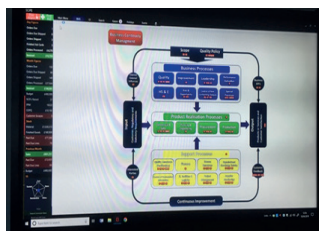
Ingroup Surface Treatments Solution RSC, dedicated onsite Maintenance Services : IMS, dedicated Calibration Services: KBR Wyle and Service Level Agreements with key Service Providers

Customer Base

- Honeywell Aerospace Yeovil
- Offload Servicing for 26 Honeywell Sub Contractors
- NPI: FGP Systems / Thompson

"Your life does not get better by chance, it gets better by change"

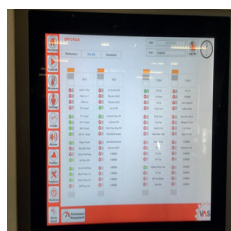
Business Management



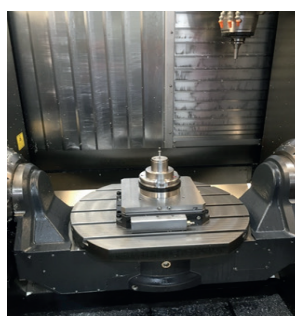
State of the Art Inspection Kit



Furnace Controller Upgrade



Acura 5 Axis Milling Capability



Welding Plant Upgrade



New Vacuum Furnace Capability



New FGP Website

Wayne Churchill, Group Procurement Manager, FGP Systems Ltd, RSC & FGP Lufton Ltd

In recognition of our world class facilities, it was decided that the time had come to invest in websites that reflected the services provided by the FGP group as the “Supplier of choice”.

Back in February, following a two month project, the new FGP & RSC websites were successfully launched. The purpose being to “strike” the market, promoting the best in class capabilities we as a group present, aiming for a much wider audience.

Combined since launch date, the websites have seen over 2,000 different visitors!

Exploring a little further, using analysis from the 4th week alone, 279 different users (199 of them new), visited from many parts of the globe. This included 54 users from the USA, together with visitors from France, China, Germany and India just to mention a few.

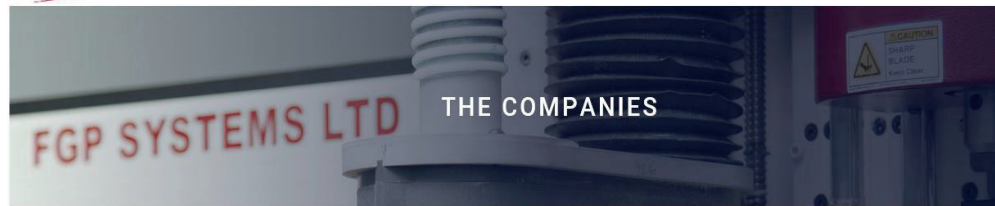
Even today (Mid-April), we can add visitors from South Africa, Spain, South Korea and the Netherlands to the portfolio. This includes 53% of recent visitors to the FGP website being new, with 83% to the RSC website. We can all take credit for this. It has been a highly successful project.

I'd like to take this opportunity to thank you all for your input and support when called upon to participate. I'm sure you'd agree, both websites look extremely impressive – a great team effort, well done!

My extended thanks also go to “Good design works” for their creativity and Harbour media for the photography.

Please continue to support. There are news and FGP/RSC in the community pages for qualifying criteria. Should you be aiding the community, supporting a local charity or entering any event, please let me know.

Finally, these are **our** websites, marketing and promoting **our** world class capability, delivering “Best in class” engineering solutions to the aerospace and defence sectors. Let's build on the initial success and maintain the level of support already shown.



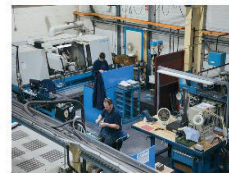
Get to know the FGP Group.

The FGP Group is made up of three main companies; FGP Systems, FGP Lufton and Ramp Surface Coatings.

Through our proximity and seamless working relationship we offer a comprehensive, unrivalled services across all precision engineering services for the aerospace and defence sectors. Find out more about each of the FGP Group companies.



FGP Systems



FGP Lufton



Ramp Surface Coatings



All FGP in the Community News

READ FGP CONNECTOR MAGAZINE

MORE ABOUT FGP IN THE COMMUNITY



We are currently recruiting for Apprentices

FGP Systems and FGP Lufton are currently recruiting for Apprentices. Location: Weymouth and Yeovil. Hours: 36.5 to 39 hours per week dependent on age. The FGP apprenticeship scheme is a ...

[Read more >>](#)



FGP Training Centre works with Yeovil College

What's new for 2018/19? A big change this year as we move to the New Apprenticeship Standard for an Engineering Technician.

[Read more >>](#)



Apprentice Awards 2018

A fantastic night of Celebration once again at FGP's very own Apprentice Awards. A night to celebrate our 4th years completing their indentured Apprenticeships, welcoming our 1st year intake, meeting ...

[Read more >>](#)



New fleet of Volvos arrive at FGP Systems



Introduction of Hermle HS Flex C400

Procurement Strategies

Wayne Churchill, Group Procurement Manager, FGP Systems Ltd, RSC & FGP Lufton Ltd

Procurement is easy yes, – Just buy the cheapest product, right??? **WRONG!!** Procurement is not as simple as just buying the cheapest product, or spending the least amount of money. Strategies are key - Identifying you're spend, understanding your market(s) and knowing your supply chain(s) all play their part in achieving success within procurement. Profit is not just made in what you sell something for. As buyers, we share the mentality that sales may not necessarily sell something to maximise profit, so negotiating the best value and applying the right strategy at the front end is paramount. Not all strategies will be the same for every company. Advantages for some may prove to be a disadvantage for others, so getting it right is critical!

At FGP, unless the supplier is source controlled, we exhaust the market for the appropriate group of suppliers who best suit our business needs – who wants to work with you, who will give you the attention and service you require, what are their business objectives, what potential do they offer and what level of purchasing strength will your business accumulate. These are just some of the factors considered when implementing strategies. Identifying the suppliers who offer the most cost effective solutions, both practically and commercially play a vital part in long term development and/or decision making. Taking a short term cost advantage, only to suffer the pain of a cost increase in the longer term, is not a positive outlook. Customers more often than not, place

long term contracts with us seeking cost reductions year on year. We have to be prepared for these eventualities, we have to be proactive in identifying what reduction incentives and strategies are required to support. Do we expect suppliers to supply products for nothing? Although nice, this is not sustainable. It's not just the intention to reduce or erode their margin. We want to work with them, develop and improve their processes, so we can both benefit in the cost advantages these present longer term. To be successful, sustainability and the correct strategy to support your market is absolutely imperative. So, as you can see, it's not just buying the cheapest product, or spending the least amount of money.

Falmouth Ladies Conquer League

Derek Smith, Operations Director, RSC Ltd

In September last year RSC were approached to sponsor a newly formed Falmouth Ladies Football Team, after the University had no funding to support.

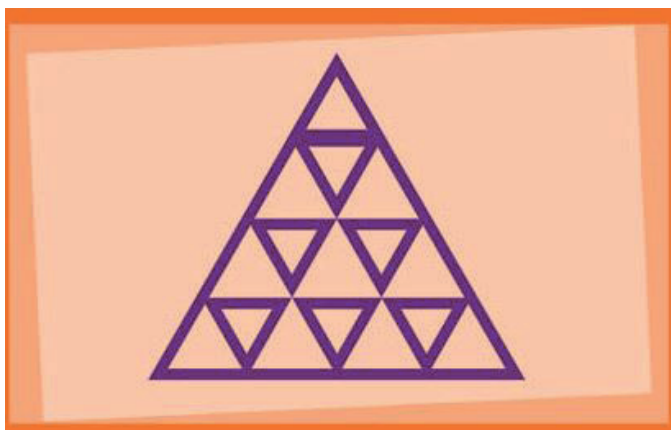
RSC supplied the kit money and the rest is History, in their first season they have won the League after beating Culdrose 5-1 in their last game, a fantastic effort in the first season and goes to show that in Life/Sport or Work, hard work and dedication to the cause will always end in a positive outcome!

Well done Girls, bring on next season



Tea Break Teaser

How many triangles are there in the image?



Secret Seven



This Issue's Secret Seven Director is — Simon Griffiths-Hughes, Director of Engineering for FGP Systems Ltd, and FGP Lufton

Each quarter a different director is asked the same questions so you get to know a little bit more about them. Simon was asked:

Favourite 90's TV Show?

Air Wolf

First Job?

Apprentice Tool Maker

When you're not working, how do you spend your time?

Driver for all my kids

Favourite subject at School?

Geography

What is your hidden talent?

I am able to Wobble my Eyes - Dont ask!

Something you say you'll do, but never do?

Turn up for meetings

What is the best fancy dress costume you've worn?

Banana - and I looked good!!

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Or use code: NEWBOOTS30

Waitrose Valentine's Day Meal For Two, Starter, Mains, 2 Desserts & Wine for £20

Waitrose

To claim your discounted entry visit
a waitrose supermarket

10% Off Orders at Thorntons

Thorntons

To claim your discount visit:
<https://www.vouchercloud.com/redeem-out/2100304?nonInteraction>

Or use code: VCLOUD10

Current Vacancies

FGP Systems and FGP Lufton are currently recruiting for Apprentices

The Apprentices will work in a supported learning environment to develop their skills and knowledge to assist them in completing their qualification and secure employment and progression

To apply please submit an application form to FGP's HR Department via:

Email: kerry.weaver@fgpltd.co.uk

Or Post: HR Department,
FGP Systems Ltd, 20-22 Cumberland Drive, Weymouth, Dorset, DT4 9TB

WE'RE HIRING!

Additions to the team

The group would like to give a warm welcome to the 10 new additions to the team this quarter. I am sure you will all join me in wishing them well in their new roles and congratulate them on their successful applications. So, welcome:



Cady Stevens - Business Administrator, FGP Lufton
Marcus Gould - Apprentice, FGP Systems
Stephanie Main - Business Administrator, FGP Systems

Tea Break Teaser Solution



The number of triangles forms of 1 unit: 16
The number of triangles forms 4 units: 7
The number of triangles forms of 9 units: 3
The number of triangles forms of 19 units: 1

The total number of triangles is **27**

