

## SOME CURRENT HIGHLIGHTS

1

### Training Courses

AEGIS is currently delivering training courses on HVAC and CSM-RA to several clients. Traction Systems, TMS and Rail Approvals courses are also available. Please get in touch if you would like more information.

2

### PAB Re-Certification

AEGIS has just completed the review and re-certification of sixteen upgraded Philmor 5 metre trailers in accordance with our accredited PAB procedures for Allan J Hargreaves Plant Engineers Ltd. The trailer's carrying capacity has increased from 12 to 20 tonnes. The machines have been upgraded to comply with RIS-1530-PLT issue 6.

3

### Project Management & Project Engineering

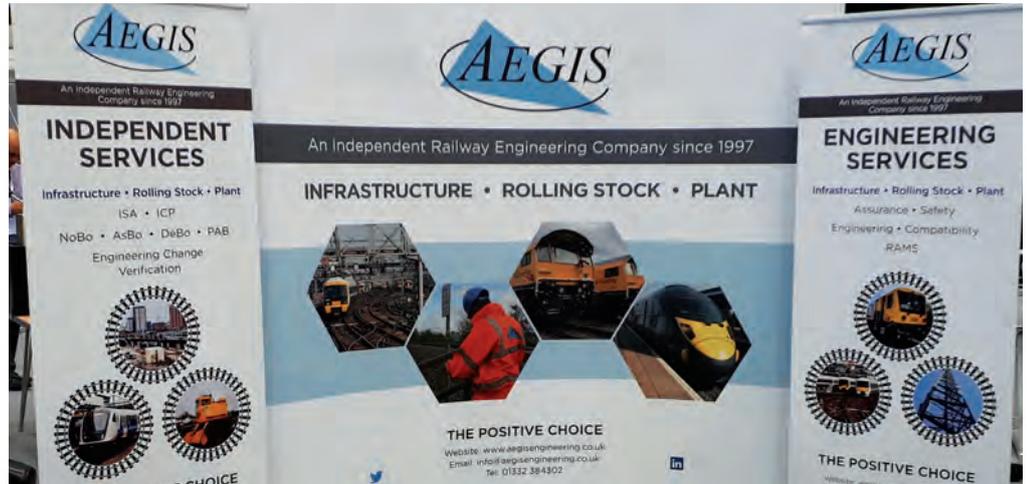
AEGIS is working with Porterbrook to provide Project Management and Project Engineering expertise for the HybridFLEX train project.

### East Anglia Flirt Project

AEGIS is providing Safety Engineering support to Stadler for the East Anglia FLIRT project. This support includes management of the Hazard Identification process and Hazard Log, development of Safety Requirements and liaison with the AsBo and with Abellio. We are delighted to be supporting Stadler with this important project in the mainline rolling stock segment of the UK market.



## Welcome to the AEGIS Autumn Newsletter



We hope that you have had a fantastic summer and enjoyed the lovely sunny weather.

Autumn has arrived together with a busy railway event and networking calendar to look forward to!

We recently exhibited for the first time at the Derby Railway Infrastructure Networking event and at Modern Railways RVE 2018. Both were fantastic exhibitions where we met lots of old friends and new.

We also made our bi-annual trip to Innotrans in Berlin. This is an excellent event where we can meet current customers and business partners from the UK and overseas as well as making new contacts and seeking out new technologies. It's the one place where we can meet with clients from all over the world in just a few days.

We have also been busy attending conferences held by RIA and Rail Forum Midlands, networking events with Women in Rail, DRES and Young Rail Professionals and the annual Charity Golf

Day held by Rail Forum Midlands. We are looking forward to attending more events during the latter part of the year.

The last few months have been busy time at nearby Derby Station, with a £200 million investment project to upgrade the track and signalling. We have been involved in the project management of building a temporary depot to enable Barrow Hill to service East Midlands Trains' (EMT) fleet of Class 222 Meridian and High-Speed trains (HSTs) during the works on behalf of EMT. Read more about this project in the Special Report.

Our team continues to grow with four people joining us in the last two months. You can read more about our new team members in the recruitment section of this newsletter.

We hope that you find this newsletter of interest and welcome your comments and feedback about the newsletter or any of the projects that we are working on.

# Derby Resignalling Fleet:

## Barrow Hill Depot, Chesterfield, Derbyshire



**AEGIS has recently undertaken the project management of building a temporary depot to enable Barrow Hill to service East Midlands Trains' (EMT) fleet of Class 222 Meridian and High-Speed trains (HSTs) during Derby Resignalling works on behalf of EMT. Works included installing 2 new sidings, a fuelling road, fuel tanks and associated mess and office facilities.**

In addition to the day to day management of permanent and matrix team members, the project management tasks involved writing the project management plan, identifying the requirements, overseeing the design and construction, developing the new operational procedures, undertaking testing and overseeing the safety validation.

### REQUIREMENTS

The project commenced with clear requirements from various functions being detailed and documented including drivers, stores, Bombardier, Etches Park Fleet, cleaners, train planning and the site owners and operators.

These requirements formed the basis of what was being built.

### DESIGN & CONSTRUCTION

Design and construction was undertaken with

Spencer Group. Various design stage gates were added to ensure that any changes to the requirements were captured and that the site was workable for all involved.

The Project Manager reviewed and approved the Construction Phase Plan and Work Package Plan and undertook weekly reviews to ensure the construction followed the design or was clearly documented and agreed where it could not.

Audits were undertaken to ensure the work was being completed safely.

A high level of reporting was also undertaken back to EMT and Network Rail during this phase.



## OPERATIONS & TESTING

The Method of Work for the depot was developed with input from drivers, operations and fleet colleagues. Resources required were defined and training programmes and competence assessments were arranged. Day and night time testing was undertaken to test the equipment and operational aspects of the depot.

## SAFETY VALIDATION

Throughout the project, the Project Manager was responsible for arranging and undertaking HazOp assessments of the site, ensuring all actions were documented and closed and for providing the submission for the safety validation pack. Any arising actions from the safety validation panel were also closed by the Project Manager.

The project was successfully completed on time and with 81 days of operation there were zero cancellations and zero delay minutes attributed to the depot.



# AEGIS completes the certification of the Siemens Voice Cab Mobile

AEGIS Certification Services (ACS) was appointed by Siemens Mobility Limited to carry out the Notified Body conformity assessment of the latest version of the GB voice cab mobile.

This update of the mobile, to be called version NR4.0 after operational trialling, delivers greater immunity to interference from 4G/LTE public networks and contains a new 'Nexus' board providing functionality including GPS, accelerometers and LTE. The upgrade of the trial vehicles will involve the replacement of the existing radio unit and the inclusion of the GPS incorporated GSM-R antenna plus installation of a new LTE antenna.

The Notified Body assessment has verified compliance of the Interoperability Constituent with the relevant requirements of the current Control-Command and Signalling TSI (EU) (2016/919) and EIRENE specifications (FRS 8.0.0 and SRS 16.0.0).

The assessment was completed within the target timescales and resulted in the issue of EC Type Examination (CB) and Quality Management System Approval (CD) certificates and an accompanying Technical File.



# BETHANY HENSON

Beth joined AEGIS at just 18 years old as a Business Apprentice in the role of Business and Project Administrator. She undertook the Diploma Level 3 Business Apprenticeship, which she successfully completed and passed the Diploma three months ahead of schedule.

Beth is involved in many aspects of the business such as Office Management, Health and Safety, Project Management, Team Organisation and Quality. She is also a First Aider and Fire Marshall.

She is now studying a Level 3 NVQ in Health and Safety in her journey to become a Health and Safety Representative.

Beth has just moved into her first house, together with her fiancé James and their little fat cat, Pix, and is busy doing DIY most weekends!

When she isn't working on the house, she enjoys cooking, watching live bands and camping. She regularly takes holidays in Whitby - it holds a special place in her heart as it's where James proposed to her in September 2016.




**Another Newly  
CHARTERED  
ENGINEER!**

Congratulations to Daniele Diana on attaining his Chartered Engineer status with the IET in August. Well done Daniele.

## SUMMER INTERN

Mikala Smit joined us for a 6-week internship during the summer holidays.

Mikala is studying Electrical and Electronic Engineering at Sheffield University and has just completed her 3<sup>rd</sup> year of studies at the National University of Singapore. Mikala was involved in a number of Safety Engineering projects during her time with us.



## COFFEE MORNING



We held a Macmillan Coffee Morning on 24th September and raised £146 with Sylwester Sulkowski winning the cake competition. A great effort Sylwester!

## SPONSORSHIP

AEGIS is the proud sponsor of local team, Spondon Rovers Lightning Under 8's. It's now their second season in the Derby Junior Football League and they are very excited! Enjoy the season boys!



## INDUSTRY EVENTS

### RAIL INFRASTRUCTURE NETWORKING

We exhibited at RIN Derby on 6th September. We were joined by over 70 other exhibitors and more than 250 people from 160 railway companies who came along to network, create new and build upon business relationships.



### MODERN RAILWAYS RVE 2018

We also exhibited at Modern Railways RVE on 4th October along with 60 other railway suppliers. We took part in the "Meet the Buyer" sessions and enjoyed listening to various presentations during the Speaker Programme throughout the day too.



### INNOTRANS

Innotrans was a very successful exhibition for AEGIS. Five members of our team attended covering all areas of the business: Infrastructure, Rolling Stock, OTM/OTP and Approvals. It was a very tiring but rewarding trip!



# Four new additions to the AEGIS team



**ALASTAIR CLARKE**

Alastair Clarke has joined as Senior Engineer.

He has over 37 years' experience in the rail industry. He has worked as a VAB Signatory and Approvals Engineer and most recently, worked for Network Rail in various roles in their Plant team. Alastair will be working as Lead Assessor and Signatory within the PAB team and as a Lead Reviewer & Verifier on Product Acceptance projects.



**TONY DAWSON**

Tony Dawson has joined as Senior Engineer.

He has over 18 years' experience in the rail industry. Previously, Tony has worked as a Facilities Engineer at East Midlands Trains and more recently within the Network Rail Plant Team. Tony is a qualified Lead Auditor and will be working as a Lead Assessor within the PAB team and as a Lead Reviewer & Verifier on Product Acceptance projects.



**KAREN RUFF**

Karen Ruff has joined as Documentation Controller.

Karen previously worked at Bombardier Transportation and latterly SNC-Lavalin Rail & Transit Limited. She will be controlling the issuing of certificates along with supporting PAB, NoBo, DeBo, AsBo and Product Acceptance activities.



**LUKE WOOD**

Luke Wood has joined as Assurance Engineer.

Luke has joined us from Wabtec Faiveley Rail Limited where he worked as part of the assurance team for the HST refurbishment project. Luke has a Masters Degree in Mechanical Engineering. He will be assisting our Approvals & Design Assurance teams in their projects.

We would like to welcome Alastair, Tony, Karen and Luke to the team.



**THE POSITIVE CHOICE**

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AEGIS Engineering Systems Ltd, 29 Brunel Parkway, Pride Park, Derby DE24 8HR Tel: +44 (0) 1332 384 302

[www.aegisengineering.co.uk](http://www.aegisengineering.co.uk)