



# NEWS

A newsletter from AEGIS

Issue 3 Spring 2018

## SOME CURRENT HIGHLIGHTS

1

### Equipment Relocation

AEGIS is undertaking a project to relocate some electronic equipment from one fleet to another. The project involves adapting an existing enclosure to accommodate the new equipment, installing a new inter-vehicle jumper, installing a roof mounted antenna plus new cabling and connectors.

2

### Independent Software Assessment

AEGIS has been engaged by a major UK customer to undertake Independent Software Assessment of some new machines being brought into the UK. The first audit will take place in May.

3

### Plant assessment

AEGIS is helping a client to assess a new crane module. The scope of work includes verifying that it is 'safe to operate' and 'fit for purpose'.

### Eleclink Project

AEGIS is assisting Eurotunnel with safety and approvals management for the prestigious Eleclink project. Eleclink comprises the provision of an interconnecting power supply between France and the United Kingdom to enable energy trade and transfer. More on this project in the summer newsletter.



## AEGIS is 21 this year!



AEGIS is 21 years old this year and has been actively and successfully supporting the UK Rail Industry since day one.

Our team continues to grow with seven people joining us in the last couple of months. Read on for more information about our new recruits.

We are pleased to announce that since our last newsletter AEGIS has been appointed by the DfT as a Notified Body (NoBo) and Designated Body (DeBo).

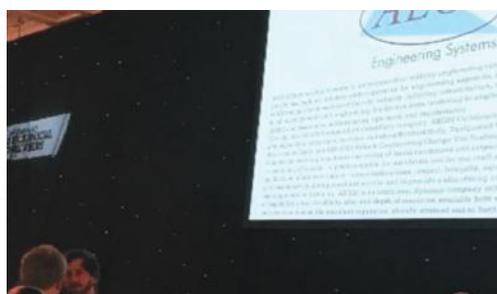
We have also been accredited by United Kingdom Accreditation Service (UKAS) for RIS-1710-PLT Plant Assessment Body, this adding to the existing accreditation as a Common Safety Methods (CSM) Assessment Body. Together with our AsBo accreditation we are now able to offer our clients a full suite of approval and certification services.

We have been busy refreshing our website to reflect our revised service offerings which was launched in March to reflect our new and enhanced service offerings. Please have a look at: [www.aegisengineering.co.uk](http://www.aegisengineering.co.uk).

Also in March, AEGIS was delighted to sponsor the IMechE's Railway Division Annual Luncheon.

Despite the arrival of the "Beast from the East" and major travel issues around the UK the event was still very well attended and was enjoyed by all of AEGIS' guests.

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



# NoBo & DeBo Accreditation

AEGIS has been appointed by the DfT as a Notified Body (NoBo) against the rail interoperability Directive 2008/57/EC. We can undertake certification against all the structural and transverse Technical Specifications for Interoperability (TSIs), including Rolling Stock (LOC & PAS), Control-Command and Signalling (CCS), Energy (ENE), Infrastructure (INF), Noise, Persons with Reduced Mobility (PRM) and Safety in Railway Tunnels (SRT).

We offer certification of new and modified vehicles and infrastructure, including interoperability constituents. Our team has considerable experience of different project types and can offer guidance on the compliance demonstration process, selection of the conformity assessment modules and construction of the Technical File.

We have also been appointed as a Designated Body (DeBo) to assess conformity against the Notified National Technical Rules (NNTRs).

Our BS EN ISO/IEC 17065:2012 accreditation also covers undertaking independent verification activities under RIS-2700-RST (Rail Industry Standard for Verification of Conformity of Engineering Change to Rail Vehicles). °This replaces the superseded Vehicle Acceptance Body role and involves the verification of the design and construction (including maintenance arrangements) against requirements within Railway Group Standards, resulting in a formal Attestation Statement.



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## Plant Assessment Body

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# ANNA HUNT

Anna is a **Senior Chartered Mechanical Engineer** who has worked at AEGIS since 2002. She specialises in Safety Engineering with experience of applying the CSM-RA process for a wide variety of projects including signalling and rolling stock systems.

In her spare time, she runs a Jiu Jitsu club in Sheffield for adults and children recently receiving an award for contribution to Junior Jiu Jitsu.

Anna is also a keen Snowboarder and has recently holidayed in Canada. She enjoys making clothes and undertakes lots of other crafting activities.



## New Chartered Engineers!

We would like to congratulate Sylvester Sulkowski (left), Phil Dallman (inset) and Ozi Al-Jumaili (right) on attaining their IMechE Chartered Engineer status recently. Well done to all three.



## Customer Survey Feedback.

At AEGIS we strive to delight the customer. It's one of our core values which we endeavour to live each and every day. In order to ensure that we are delighting the customer, we like to ask them directly what they think of the services that we provide. We ask them to complete a simple three-question survey and then we use these results to monitor and measure our performance and to make continuous improvements.

We have now collated the feedback received from our latest survey and the results can be seen on this infographic. More details can be found in the news section on our website. It's great to see that our already high rating has improved. We received some very good feedback and we will be endeavouring to put this into practice over the coming months.



## Developing Engineer Scheme Attains IMechE Accreditation

We are delighted to announce that our graduate scheme has now been formally accredited by the IMechE. The scheme was registered last year. This is great news for the company and the rail industry.

During the accreditation process the committee was very complimentary about the scheme. The feedback we received was that it was well documented and managed, the quality of the mentoring was very pleasing, and the range of roles and placements offered to the graduates gives good exposure to the full range of UK-SPEC competencies.

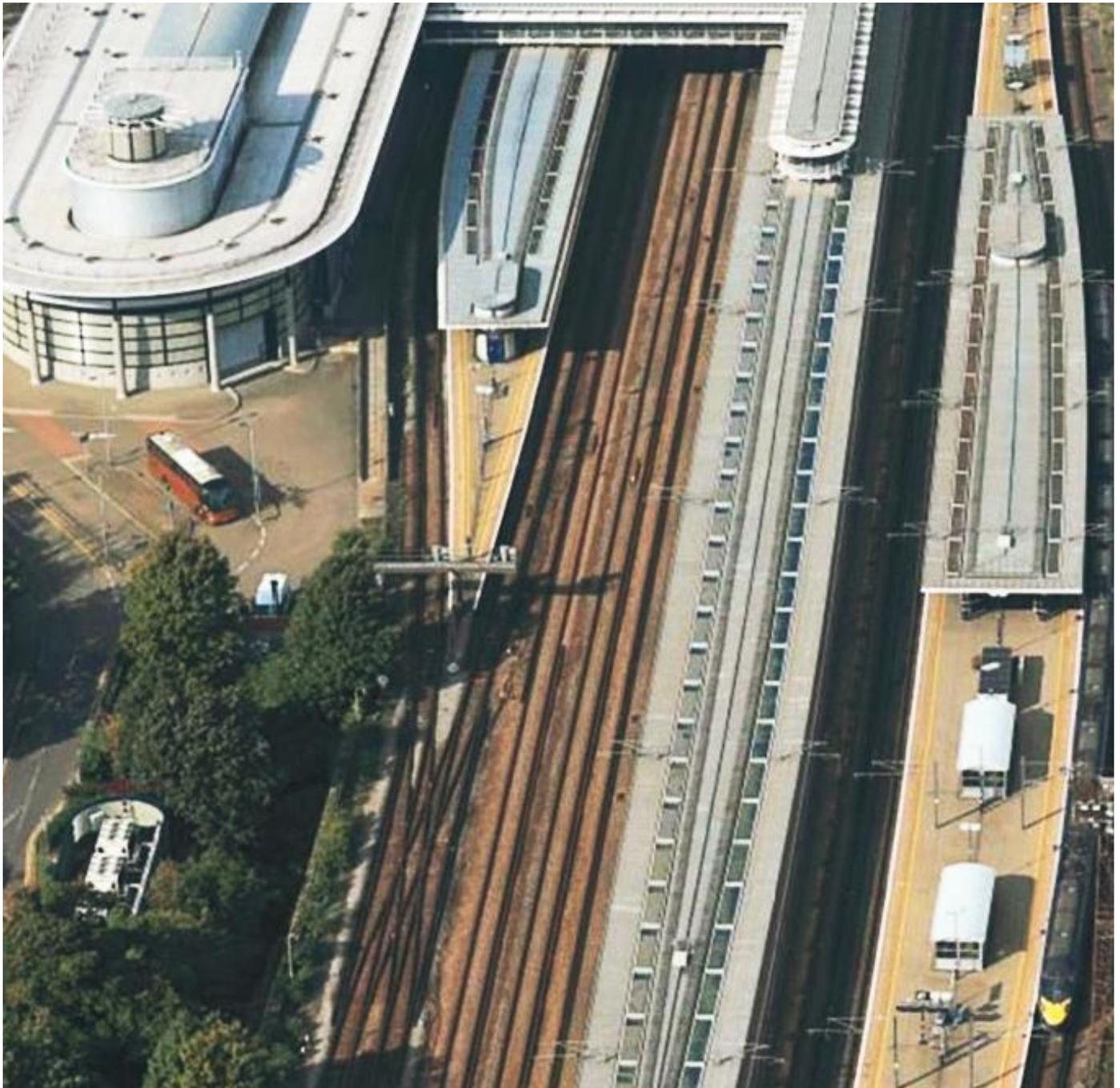
AEGIS is committed to ensuring that new engineers are attracted to the Railway Industry and that they are given the opportunity to flourish and to learn.

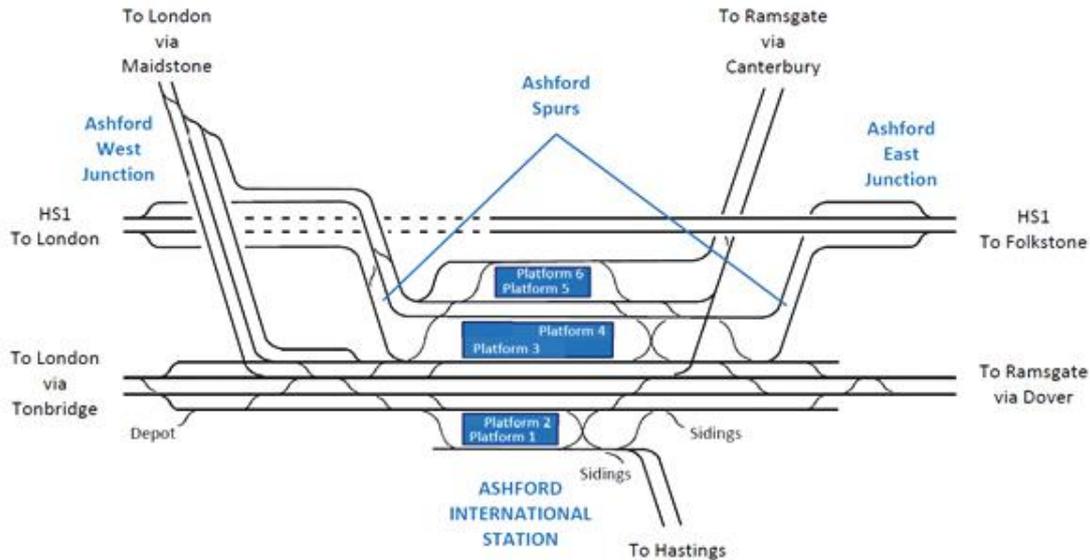


Chris Beales at EMT Etches Park Depot

SPECIAL REPORT

# Commissioning of the KVB ATP System at **ASHFORD INTERNATIONAL**





**AEGIS is pleased to have supported the successful commissioning of the Ashford International Station KVB automatic train protection system which went live on 3rd April.**

AEGIS managed the CSM-RA risk management process for GRIP 4/5 on behalf of Amey (the System Design Contractor) and Network Rail. Initially AEGIS supported the client in creating the CSM-RA System Definition.

The project involved producing:

- A combined Safety and Approvals Strategy,
- Hazard Identification Briefing note based upon the System Definition,
- Hazard Identification Report,
- Updating the Hazard Record in accordance with the CSM-RA by applying Risk Acceptance Principles and identifying safety requirements.

Installation and Commissioning was justified in a Safety Case which argued the safety of the design supported by the Hazard Record.

The Hazard Record showed all design hazards were closed and provided safety requirements for the hazards to be closed by testing and the provision of Operations and Maintenance training and supporting documentation.

AEGIS also updated the EMC Strategy for GRIP 4/5 and provided closeout strategies for all EMC Hazards.



## Seven new additions to the AEGIS team



### **KATHRYN ELLABY**

Kathryn has joined as the Plant Acceptance Body Manager. She has over 16 years' experience of working within the rail industry. Kathryn's main areas of focus will be OTP engineering compliance & maintenance, defect trend analysis, plant reliability and OTP & OTM approvals.



### **JIM ALLENDEN**

Jim Allenden has joined as a Principal Engineer. Jim is a Chartered Mechanical Engineer and Fellow of the IMechE. He started his career as a Heavy axle and suspension design Engineer with GKN before moving to expand that knowledge to transmissions and whole vehicle design at JCB. On joining Network Rail in 2008 as Head of Plant, Jim held various technical and business leadership positions culminating in being appointed Engineering Director.



### **ASMA KHAN**

Asma has joined as a Senior Engineer. She has over 17 years' experience in the Rail Industry and is an Associate Member of the Institution of Railways Signal Engineers.

Her recent experience has included the Banedanmark Signalling programme (Denmark) in which she has provided engineering safety management on ETCS (both Onboard and infrastructure sub-systems), GSM-R and CBTC systems.



### **NICOLA MCGUIRE**

Nicola joins as Marketing Manager. Nicola has worked in the rail industry for more than 20 years within various rail consultancies undertaking roles within Account Management and Business Development.



### **ALASTAIR ROBERTS**

Alastair is a Chartered Engineer, a Fellow of the IMechE and PWI. He has over 20 years railway experience and will be working with Kathryn in the PAB Team.

Amongst other things, Alastair can offer a wide range of technical support activities, including reviews against the mandated and voluntary standards for OTP used in the UK and abroad.



### **DOLRAJ SUBEDI**

Dolraj has joined as a Certification Engineer.

He has sound working knowledge of RIS-2700-RST and various TSI's for life extension of existing rolling stock and the introduction of new rolling stock.

Dolraj also has extensive experience from other industry sectors to offer clients and a diverse skill set that facilitates a proactive approach to certification.



### **LUIGI D'ANGELO**

Luigi has joined as Head of Assessment Body Services.

He is a Chartered Electrical Engineer and brings extensive knowledge of independent assurance assessments, safety engineering, systems engineering, project management, assurance, certification, CSM-RA, and certification training courses.

He has a solid background working with both rolling stock and infrastructure, including ERTMS, GSM-R, electrification of railways and TPWS/AWS.



**THE POSITIVE CHOICE**

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