

IGRALUB SYSTEMS

Competence Centre Technology of IGRALUB Group



COMPANY PROFILE

We develop solutions to meet individual customer needs

At IGRALUB Systems we design, develop and test our systems so they are optimised for IGRALUB lubricants and friction modifiers.

Customer satisfaction is our top priority and our products are designed to meet the most demanding requirements. They are long-lasting and require minimal maintenance with very few wearing parts. If our standard products do not meet customer requirements we are also able to offer tailor-made solutions. Based on many years of experience with lubrication systems, we offer comprehensive and sustainable solutions. These can include problem analysis and evaluation through to design, installation and in-service maintenance and support.

PRODUCTS

Trackside rail lubrication systems
for the rail flank and rail head



Onboard rail lubrication systems for wheel flange and top of rail/wheel tread



Other Products

- Contact wire de-icing systems
- Design of bespoke lubrication systems
- Filling systems of any kind
- Accessories and spare parts for lubrication systems

SERVICES

- Independent analysis and evaluation of existing equipment.
- Development of action plans for wear reduction and noise mitigation.
- Equipment installation and maintenance.
- Conversion and modification of existing equipment.
- Noise measurements.
- Training for railway operators on the use of rail lubrication systems.
- Prototype design and construction.



PROJECT PROCESS:

Evaluation of problem areas and noise sources

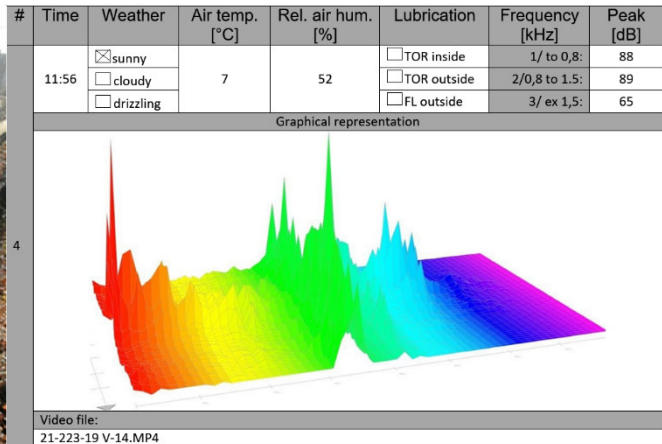
- Initial noise measurements and creation of 3D FFT evaluations
- Monitoring over a longer period of time to capture fully representative data
- Inspection of the problem areas
- Carrying out tests on the problem areas
- Testing of the rail and wheel profiles
- Analysis of the track and the topographical conditions.

Development of customized and sustainable solutions

- Evaluate existing equipment to see if it can be adapted and reused.
- Establish an action plan.
- New equipment production and installation.
- Commissioning and instruction.
- Undertaking required maintenance.
- Follow-up noise measurements to verify effectiveness.



Noise Measurement Equipment



Analysis of the noise measurement

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