



LLOYD RAIL

QUALITY AND SAFETY FIRST - ALWAYS



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Lloyd Rail: Quality and Safety First – Always

Since *Lloyd Rail* began operations in 2004 we have steadily built a strong reputation for quality, safety, reliability and a high level of competency across all areas of our work.

Our consistent high standards secured *Lloyd Rail* ISO 9001:2008 and OHSAS 18001:2007 in the early years and more recently, we were awarded “Approved Centre” training certification from City & Guilds of London.

The core principles of *Lloyd Rail* are quality and safety and from the beginning, we also placed a high value on building and maintaining good relationships with both our customers and our employees.

We are proud to have carried out an extensive body of work since 2004 without losing any significant time to safety or industrial relations issues. Today, the average age of our field staff is 35, managed down from an average age of 55 back in 2004.

During our first decade, *Lloyd Rail*'s operations have been focused on the island of Ireland, but recent overseas projects have also led us to resource OTM staff in Canada, Malaysia and the Netherlands. Building on this experience, we plan to grow our business significantly in the coming years through further expansion into overseas markets.

Current and future customers, as well as our employees, can rest assured that we will achieve this business growth with a continual and unwavering emphasis on our core principles of quality and safety.

This brochure and the attached memory stick provide more detail on our operations and record. We will be happy to answer any further queries you may have and please remember – no contract is too small for *Lloyd Rail*.

Bill Lloyd
Chairman



On Track Maintenance

Lloyd Rail's On Track Machine (OTM) team has safely completed over 12,000 kilometres of track maintenance on Irish Rail infrastructure, including over 3,000 Switch and Crossing units.

We deliver track maintenance to the highest standards of safety, quality and reliability. Core services include tamping, ballast regulating, ballast cleaning, rail head treatment and dynamic track stabilisation.

Our dedicated and highly competent OTM team works within a stringent safety management system. The team works closely with the customer throughout

the project, from pre-site inspection and consultation, through to delivery of the works and finally, a project review to ensure continual improvement in how we meet the needs of our customers.

Lloyd Rail employs the most sophisticated technology available for track maintenance across a diverse range of machinery from top-quality manufacturers including Plasser & Theurer and Geismar. Our OTM team is well trained to use this technology to the highest standards of safety and efficiency on every job, large or small.

12,000 kilometres of track maintenance
over 3,000 Switch and Crossing units.



Andy Rooney, Operations Manager, Malaysia

Health and Safety

“Safety First – Always”

Lloyd Rail is fully committed to reducing the operational risk that is inherent in our work, in order to minimise any negative impact on our employees, our customers and all rail users.

All of our work is governed by the *Lloyd Rail* principle. Safety is of paramount importance in every project that we undertake and we regularly assess and review our work and procedures so that we never become complacent in our approach to health and safety in the workplace.

Since its inception, *Lloyd Rail* has implemented ISO 9001:2008 and OHSAS 18001:2007 management systems. We have achieved continual improvement in the level of operational incidents and maintain a constant effort to protect the safety of our workforce.

Lloyd Rail trains each staff member to the highest standard in the operational, technical and other relevant skills required for their specific role. All staff work in strict accordance with *Lloyd Rail* Competency Management System (CMS), to ensure a

continuous safe delivery of projects, as well as the ability to deal competently with any issues or incidents which may arise. We also regularly evaluate our trainers and assessors and their role in implementing the CMS.

When operational or technical incidents do occur, we work closely with our clients and other agencies to ensure they are dealt with in a systematic way with constant regard for safety. Any necessary investigations are then carried out in a collaborative and structured manner and in accordance with all prevailing legislative requirements.

Year	No. of shifts completed	No. of reportable lost time accidents
2007	187	0
2008	1378	1
2009	1390	0
2010	1756	0
2011	1916	0
2012	897	0
Totals	7524	1

Reportable lost time accident statistics 2007-2012
* Reportable lost time accident - refers to an accident, reportable to the authorities, where a staff member is unable to attend work for 3 or more consecutive days due to a workplace accident.



Lloyd Rail Competency Management System



internationally recognised I.S. EN ISO 9001:2008 – Quality Management Systems and OHSAS 18001:2007 – Occupational Health and Safety Assurances Series.

Lloyd Rail has developed its own Competency Management System (CMS) to ensure maximum safety standards are maintained at all times across the entire spectrum of our operations. The CMS is also compliant with all relevant industry standards and legislation.

All *Lloyd Rail* employees are trained to practice relevant core elements of the CMS and are helped in doing so by a clear set of supporting procedures, which are set out in the “*Lloyd Rail Document Map*” (see next page). The map shows how the

Lloyd Rail CMS governs every step of every operation, to manage the risks arising from the operation and field maintenance of On-Track Machines as well as the work carried out by our teams of Aluminothermic Thermit welders.

Lloyd Rail’s CMS and supporting documents meet the requirements of the internationally recognised I.S. EN ISO 9001:2008 – Quality Management Systems and OHSAS 18001:2007 – Occupational Health and Safety Assurances Series.







Training our Staff and Clients

All *Lloyd Rail* employees are trained and assessed to a high standard which fall within the perimeters of our CMS safety. And as an approved City & Guilds training centre, *Lloyd Rail* can offer the same level of training and certification to all our clients, with the benefit of a globally recognised qualification.

Training and certification are centrally managed by our Quality Assurance Coordinator (QAC) with the support of qualified trainers, assessors and internal verifiers, all with appropriate levels of expertise and skill sets.

Our training team can plan and deliver tailored training courses to address the specific needs of each of our clients. We also offer a full range of operational and driving courses applicable to various categories of on-track machines.

The list below shows the comprehensive range of City & Guilds railway-specific training courses available from *Lloyd Rail*.

All *Lloyd Rail* employees are trained and assessed to a high standard which fall within the perimeters of our CMS.



City and Guilds Rail Qualifications



Product/Code	Qualification	Level	GLH	Credits
7484-02	Level 2 Award in Rail Services	Level 2	110	11
7596-20	Level 2 NVQ Certificate in Rail Services (Passenger Services)	Level 2	201	24+2+2
7596-20	Level 2 NVQ Diploma in Rail Services (Passenger Services)	Level 2	264	37
7596-21	Level 2 NVQ Diploma in Rail Services (Tram/Light Rail Driving)	Level 2	Min267 Max 356	45+1
7596-22	Level 2 NVQ Diploma in Rail Services (Control Room Operations)	Level 2	Min 336 Max 423	49+1
7596-23	Level 2 NVQ Diploma in Rail Services (Driving)	Level 2	552	59
7596-24	Level 2 NVQ Diploma in Rail Services (Signal Operations)	Level 2	295	49
7596-25	Level 2 NVQ Certificate in Rail Services (Shunting)	Level 2	246	32
7597-01	Level 2 Certificate in Rail Engineering Underpinning Knowledge	Level 2	280	28
7597-02	Level 2 NVQ Award in Rail Engineering Track Maintenance	Level 2	53	2+10
7597-12	Level 2 NVQ Certificate in Rail Engineering Track Maintenance	Level 2	62	15
7597-22	Level 2 NVQ Certificate in Rail Engineering Protection Master	Level 2	39	21
7597-32	Level 2 NVQ Certificate in Non-Destructive Rail Testing	Level 2	23	132
7597-42	Level 2 NVQ Certificate in Track Patrolling	Level 2	30	177
7597-52	Level 2 NVQ Diploma in Rail Engineering Track Maintenance	Level 2	37	187
7597-05	Level 2 NVQ Certificate in Rail Engineering Traction and Rolling Stock	Level 2	131	18+2+8
7597-07	Level 3 NVQ Award in Rail Engineering Track Maintenance	Level 3	55	3+9
7597-17	Level 3 NVQ Certificate in Rail Engineering Track Maintenance	Level 3	79	15
7597-27	Level 3 NVQ Diploma in Rail Engineering Track Maintenance	Level 3	165	37
7597-10	Level 3 NVQ Certificate in Rail Engineering Traction and Rolling Stock	Level 3	150	32
7597-11	Level 1 NVQ Certificate in Basic Track Maintenance	Level 1	87	15
7597-03	Level 2 NVQ Certificate in rail Engineering Signalling Installer (QCF)	Level 2	83	17
7597-08	Level 3 NVQ Certificate in Rail Engineering Signalling Maintainer & fault Finder (QCF)	Level 3	180	31
7597-09	Level 3 NVQ Certificate in Rail Engineering Telecoms Maintainer and Fault Finder (QCF)	Level 3	184	30
7597-13	Level 2 NVQ Certificate in Rail Engineering Electrification Construction (QCF)	Level 2	122-140	20
7597-14	Level 3 NVQ Diploma in Rail Engineering Signalling Maintainer and fault Finder	Level 3	221	42
7597-15	Level 3 NVQ Diploma in Rail Engineering Telecoms Maintainer and Fault Finder (QCF)	Level 3	249	46
7597-16	Level 3 NVQ Certificate in Rail Engineering Electrification Maintenance	Level 3	164-236	22
7597-09	Level 3 NVQ Certificate in Rail Engineering Telecoms Maintainer and fault Finder	Level 3	184	30
7597-06	Level 2 NVQ Certificate in Rail Engineering Electrification Maintenance	Level 2	122-140	20
7597-18	Level 3 NVQ Certificate in Rail Engineering Electrification Construction	Level 3	202-274	31
7598-01	Level 3 NVQ Diploma in Rail Services	Level 3	209-284	38

NVQ = National Vocational Qualification

QCF = Qualification and Credit Framework (Replaced National Qualification Framework –NQF)

GLH = Guided learning hours

We are also approved by City and Guilds to train, assess and certify in the following:

6317-33 Level 3 - Certificate in Assessing Vocational Achievement (A1)

6317-42 Level 4 - Certificate in Leading the internal Quality Assurance Processes and Practice (V1)



Welding



over 5,000 welds
a success rate of 99.7%

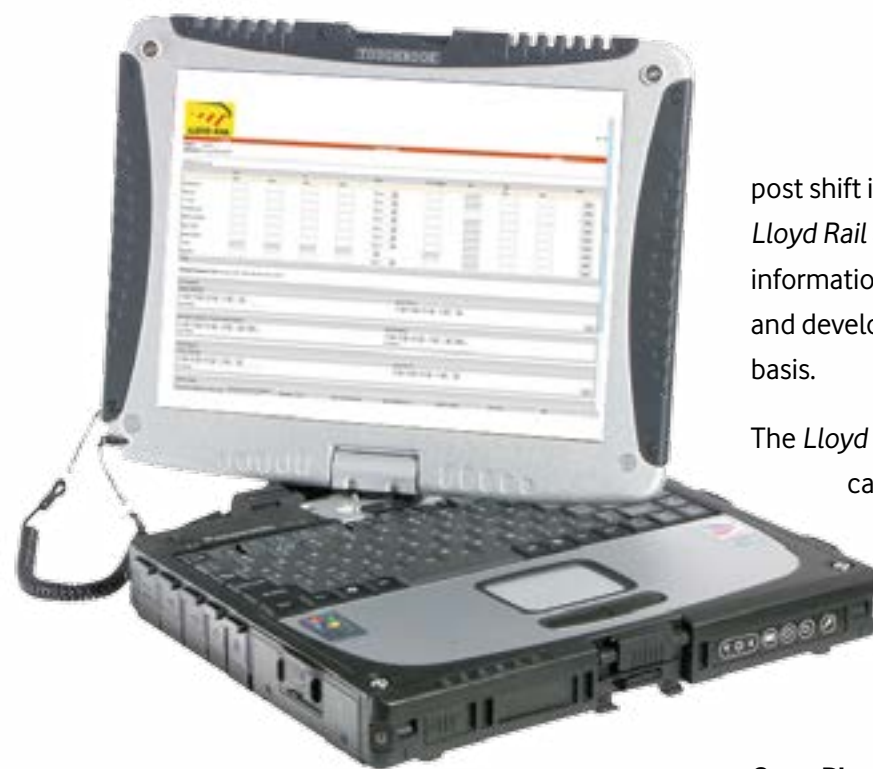
Since 2009 *Lloyd Rail* has carried out welding services on rail infrastructure in the Republic of Ireland, Northern Ireland and the United Kingdom. Our team has completed over 5,000 welds with a success rate of 99.7%.

The wide-ranging capabilities and high standards of our track-welding team have earned an industry reputation for safety, quality, efficiency and consistent delivery.

To ensure traceability of all welds carried out by *Lloyd Rail*, we operate a comprehensive archiving system. The very small number of failed welds – less than 1% of the total – are identified, fixed and examined, so that preventative action can be taken to ensure a continual improvement in our welding service.



Lloyd Rail Shift Reporting System



A typical Panasonic Toughbook as used by Lloyd Rail. The Lloyd Rail SRS is highly adaptable to a client's needs. It can significantly reduce financial costs, non-productive man-hours and maintenance costs and improve operational flexibility.

Lloyd Rail deploys a comprehensive Shift Reporting System (SRS) to closely monitor both On Track Machine and rail welding operations. The information gathered includes (but is not limited to) mileage completed, hours worked, breakdowns, machine faults, signatures and GPS locations.

The benefits of the SRS include immediate

post shift information delivered to both Lloyd Rail and our client. This detailed information helps our clients to plan ahead and develop or amend plans on an ongoing basis.

The Lloyd Rail SRS is a flexible system that can be adapted to serve a particular client's needs. Two of the main benefits to our clients are more efficient crew planning and managing OTM fleet maintenance and breakdown.

Crew Planning

More efficient crew planning can reduce the number of man hours required. The Lloyd Rail SRS can record operators' route hours, driving hours and time spent on machines. Using this information and more, Lloyd Rail's dedicated scheduling department can effectively select the best crew for any particular shift based on machine competencies, operator competencies and driver route clearances. The SRS can also provide shift information across the company.

OTM Fleet Maintenance

The maintenance and breakdown of OTM

fleets is an extremely important issue for our clients both financially and operationally. The Lloyd Rail SRS can track faults, organise technicians, record levels of spare parts and interact with parts suppliers to achieve a dramatic reduction in downtime, man hours and financial costs.

How does it work?

Effectively, when an operator reports a fault, the SRS immediately informs the relevant staff member, who notifies the technician of the location of the machine and fault type. Once the technician is on site, the SRS offers several options - such as informing maintenance staff and

operations that the machine is fixed and serviceable or, alternatively, that the machine needs a part, which can be immediately ordered and shipped via the SRS.

If a required part is not in stock, the SRS will automatically contact all parts suppliers and partners to have the part shipped.

While working on many large scale projects with Irish Rail, Lloyd Rail was at

the forefront of using GPS track design technology. Based on this experience, the Lloyd Rail SRS system uses the Panasonic Toughbook to deliver considerable efficiency improvements. After a tamping pass, the track has to be resurveyed, then the results are used to compute new design lifts and slews. Using traditional methods, this process can take hours, or even days - but with the Lloyd Rail SRS, this time is reduced to half-an-hour for even the longest of designs. While the machine is tamping, a GPS receiver records the track positions behind the machine. These GPS locations are downloaded to the design file in the

The Lloyd Rail SRS can track faults, organise technicians, record levels of spare parts and interact with parts suppliers to achieve a **dramatic reduction in downtime, man hours and financial costs.**

Toughbook and can rapidly generate the next course of design lifts and slews, which feeds immediately into the machine's control computer.



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“ Lloyd Rail provided Leighton Asia with a team of OTM operators to assist us during a significant peak in production requirements on a major new track construction project. The Lloyd Rail team were highly professional and performed very well during their placement. They adapted quickly to a challenging working environment and integrated seamlessly with our existing work teams. ”

LEIGHTON CONTRACTORS (MALAYSIA)