



LEADING THE WAY

OUR SERVICES



Possession & Worksite Planning and Delivery

We provide a robust planning service whilst adhering to Network Rail's planning timescales for Rules of the Route Planning.



Project Operations and Site Management

We have a team of experienced and highly trained SMSTS Site Managers, Operations Managers and Project Managers.



Safety Critical Personnel

Our primary sponsored safety critical personnel have worked across the country delivering to the highest standard.



Site Access Control

Checkpoint's Site Access Control module was introduced in 2005 and has been used on some of the largest and busiest sites in the country working on behalf of Costain, BAM Nuttall, Babcock, Siemens, Serco Caledonian Sleeper and Network Rail.



Train Operating Support

Providing Train Rider Techs and Depot Support (Aberdeen, Inverness, Ft William and Euston) to Serco Caledonian Sleeper's Mk5 coaching stock.



Project Visibility Diagrams

Our CAD team have designed and produced project visibility diagrams and magnetic project visibility boards for some of the largest projects in Scotland.



Rail Intermediary Consultancy

We act as a consultant on behalf of local authorities and other outside parties (utilities etc) liaising with Network Rail for gaining track access, ensuring a cost and programme efficient solution.



Checkpoint

Our Checkpoint suite of software systems include Site Access Control, Fatigue Risk Management, Project Productivity & Performance and Commercial Event Log Reporting.



Worksite Authority

Worksite Authority is a permit to work system to maximise working time on site. The software will allow workers to start work simultaneously whilst maintaining the highest level of safety and security.



Bespoke Software Solutions

As we have our own in house software development team and industry experts, we are able to work with your ideas and offer bespoke software solutions that are tailor made to your requirements.



Geo-planner

The GeoPlanner system has been developed to enhance trackworker and roadworker safety by ensuring personnel access in the correct location and make sure that worksite marker board / possession limit board are placed accurately and in the correct locations.



Viewpoint

Viewpoint is the analysis of information from various online sources (News and Social Media) to determine the emotional tone specific to companies and organisations.

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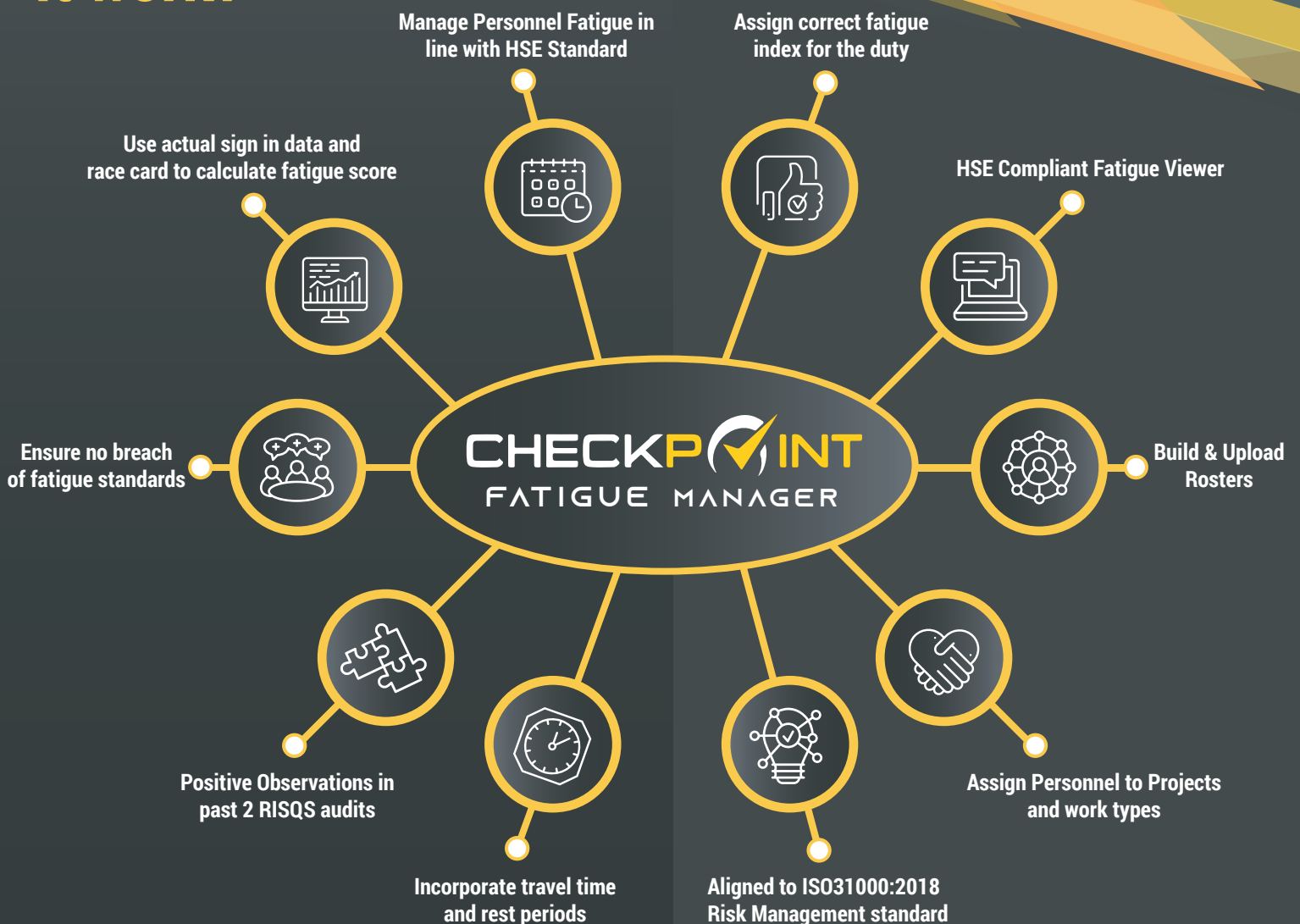
OUR CLIENTS



C&G SYSTEMS LEADING THE WAY FATIGUE RISK MANAGEMENT SYSTEM



How does it work?





Is your shift planning maximising performance and reducing worker fatigue?

Checkpoint's innovative Fatigue Manager module allows clients to manage personnel fatigue in line with the HSE standards and in alignment to ISO31000:2018 Risk Management standard.

Ensure that any potential breaches of fatigue are identified and stopped before the finalising of the roster.

- Are shifts in line with HSE guidelines?
- Are workers getting enough rest?
- Are they spending a long time travelling to work?
- What are your workers fatigue levels?

Positive Comments from RISQS

The company's bespoke fatigue software went over and above the usual management of fatigue.

The company developed Fatigue Risk Index Tool "Checkpoint" is a significant asset that purposes to provide live, accurate data in respect of the staff activities on site.

The tool was programmed with individual's post codes to include travel times as well as job descriptions to allow fatigue factors to be loaded and more accurately reflected in the individual's assessment outcome.

Contact us for a DEMO and to see the system live





C&G SYSTEMS LEADING THE WAY

POSSESSION PLANNING SERVICES

OUR GOAL

C&G Systems goal has always been to address the safety and quality gaps in possession planning and delivery.

Our planning team have worked on some of the largest and most complex projects in Scotland, and our planners have carried out a variety of operational roles. This grounding significantly helps our planners understand what the jobs will be like out on the ground, and appreciate the clients requirements.

OUR APPROACH

Attention to detail is key, and our planners thoroughly check everything before applications are made, including trains, disruptives, what other planned works are in the area that could affect times and productivity. For example, a larger job that straddles 2 Engineering Access Statements sections could impact a clients' available possession times.

We don't just book worksite limits that cover the job, we also interrogate plans and access points and choose the safest and most efficient access point and blocking points.

RELATIONSHIPS

We have very good relationships with Network Rail's planning teams and contractors alike. We know most of the planners and have trained a large percentage of them which means if we need a CRF or if we have several machines needing access we can negotiate track access and come up with a robust plan ensuring no work falls down.

ISOLATIONS

We have a good understanding of isolation requirements and good relationships with Network Rail's isolation planning team. Along with our experience of organising isolations, a number of our planners holding Authorised Person (AP) ticket, so if we require an isolation we know what the isolation planner needs.

SAFE WORK PACKS

When we create SSOW packs, we do not just create generic safeguarded packs, each pack is site specific to ensure all open lines are included in each pack.

PROJECT EXPERIENCE

Our planning team have worked on the following projects carrying out possession planning, producing safe work packs and creating project diagrams:

Siemens

Glasgow South Suburban Renewals (GSSR)
Glasgow Central Interlocking Renewals (GCIR)
Paisley Corridor Interlocking (PCI)

Alstom, Babcock & Costain Alliance

Edinburgh to Glasgow Improvement Project (EGIP)

Costain

Stirling, Dunblane & Alloa (SDA)

BAM Nuttall

Highland Enhancement Project (HEP)

Babcock Projects & TRD

Various Projects

Balfour Beatty

Various Projects





DON'T JUST TAKE OUR WORD FOR IT

WHAT OUR CLIENTS SAY

"C&G Systems provided the Possession Management, Operations Management and Safety Critical on 2 of our largest projects in Scotland, namely the Edinburgh to Glasgow Improvement Programme, and Stirling, Dunblane & Alloa.

They endeavoured to provide us with the highest quality service, and succeeded in helping us successfully deliver these projects safely and efficiently."

Paul Teague, Senior Commercial Manager, Costain

"C&G systems provide possession management and support our safety critical staff. CPR are Network Rail Tier 1 surfacing framework provider for Scotland route, C&G provide a very high standard service and they are our key delivery partner for the next 5 years."

William Black, Managing Director, CPR Resurfacing

"C&G systems have provided Network Rail Works Delivery with planners. I know when I pick up the phone, it's just one point of contact to go through my requirements; with the minimum of fuss and the maximum customer service. The planners that came to us, were professional, knowledgeable and had a tremendous work ethic planning our access and isolations with safety at the forefront. Would highly recommend."

Jayne Rodger, Delivery Manager, Network Rail Works Delivery

"Where our business has built its reputation on quality and delivering to timescale C&G Systems support us in achieving this. We utilise their possession planning and safety critical staff throughout Scotland and benefit from the professionalism and hassle free relationship that you get when dealing with the team. Also working with C&G Systems helps us support some of the great causes they are involved in out with Rail and in the wider community."

Dougie Thomas, Director, Kent PHK Scotland

"C&G Systems provided the Possession/Worksite, Operations Management and Safety Critical staff on our largest projects in Scotland, namely the Edinburgh to Glasgow Improvement Programme, Stirling, Dunblane & Alloa, and Shotts Electrification. They have assisted NR in with internal safety audits on worksite management. They constantly endeavour to provide us with the highest quality service by helping us successfully deliver our projects and initiatives safely and efficiently."

Lawrie McEwan, Principal Construction Manager, Network Rail



OUR CLIENTS

We currently provide our high quality possession planning services to:

Network Rail

Arcadis

SVM

Kent PHK

Geo Info

CPR

XYZ Rail

RBA

CONTACT US

Let us support you by planning to deliver the success project. Contact us for more information at info@cngsystem.co.uk

CHECKPOINT

LEADING THE WAY

Continuing to develop new innovative software solutions with Scottish Enterprise and Scotland's Innovation Centre for sensing, imaging and IoT technologies



LEADING THE WAY

- Leading the way in Site Access Control innovations since 2005
- Providing Site Coordinators and Site Access Management on rail projects since 2005
- Site Log Recording since 2006
- Accurate travel time reporting postcode software since 2010
- Commercial Event Log Reporting since 2011
- Trend Analysis & Reporting 2011
- Live view since 2012
- Tailoring modular systems to client requirements since 2012
- Leading the way in managing fatigue since 2016
- Leading the way in recording temperature checks since 2020
- Delivering commercial claim support & project efficiency gains in excess of £150m to clients



TRUSTED BY INDUSTRY LEADERS TO DELIVER



Balfour Beatty



SIEMENS



DON'T JUST TAKE OUR WORD FOR IT

“ C&G Systems constantly endeavour to provide us with the highest quality service by helping us successfully deliver our projects and initiatives safely and efficiently. ”

Lawrie McEwan
Principal Construction Manager
Network Rail

“ Checkpoint provides MITA and our client a real time appraisal of our worksites and provides greater visibility of the project, allowing us to keep track of everything that happens. ”

Brian Madden
Managed Service Director
MITA Joint Venture

“ Checkpoint's Commercial Event Log gave us the ability to maximise the productivity of our projects and gave us clear visibility of who was working on our site, planned work versus actual, and attributed time loss. We were able to identify trends early, and work with our client to make the project more efficient. ”

Paul Teague
Commercial Manager
Costain Group

“ Checkpoint provides SPL and our client a real time appraisal of progress from site by tracking everything that happens on our worksites. Receipt of daily control logs, weekly performance reports and monthly dashboards allows safety and productivity to be monitored throughout the project life cycle. These key performance indicators help to identify trends, and allows corrective actions to be deployed where necessary. This continued appraisal helps to ensure that our site works are completed in a safe and efficient manner ”

Lee Pounder
Regional Director – Scotland
SPL Powerlines UK

“ Checkpoint has given us greater visibility of the project and allows us to keep track of everything that happens on our worksites from both a project and safety perspective. We were able to control site access effectively, controlling who was on site, conducting PPE check, ensuring all personnel were site inducted, performing site briefings, performing COVID-19 temperature checks and effectively managing the site compound. We receive daily control logs, weekly performance reports and monthly dashboards. This is key management information that helps us to identify performance and productivity trends early ensuring we can maximise efficiencies across the project and control project spend more effectively. ”

Stephen Campbell
Framework Manager
Story Contracting

CHECKPOINT

Site Access Control

Providing Site Coordinators and Site Access Managers on rail projects since 2005.
Comply with CDM regulation 22, HSE, Network Rail & ORR Regulations.
Restrict sign in to rostered personnel only.
Planned v Actual for personnel sign in / Ensure rostered personnel have signed in.
Ensure valid competence for task.
PPE checks.
Temperature checks.
Working & Travel hours exceedance management.
Site Compound Management.
View who is on site 24 hours a day, 365 days a year.

Commercial Event Log Reporting

Record all project productivity.
Planned versus Actual for site works.
Commercial Event Log Reporting.
Productivity Trend Analysis & Reporting.
Substantiate and defend claims.
Maximise project efficiency gains.
Assign time loss codes for specific events.
P3 Plans uploaded and actual works updated.

Site Log Recording

Conduit between Project and the Site.
Collate all information required by the Client.
Accident, Incident and Close Call recording.
Record all Plant on site and any failures/issues.

Managing Fatigue

HSE Compliant Fatigue Management System.
Highly commended by Network Rail's supplier qualification organisation (RISQS).

Live View

Live view of everything that is happening on site from anywhere, 365 days a year.
View the number of personnel signed in to site per company.
View total time (working time plus travel time).
View the site diary, weather report, accidents, incidents and close calls.
View Planned v Actual for works.

Leading the way in Innovation

Accurate travel time reporting postcode software since 2010.
First for fatigue management solution.
First for Planned v Actual works reporting.
First for Commercial Event Log Reporting.
First for Performance Trend Analysis.
First for Recording temperature checks.

Trend Analysis & Reporting

Daily, weekly and monthly reports, tailored to client requirements

Commercial Claim Support & Efficiency Gains

Over £150m efficiencies realised to date

SUPPORTING LOCAL COMMUNITIES



We are always looking for ways to support our local communities through rail and have been fortunate enough to work with some fantastic organisations across Scotland.

Our work in the railway has allowed us to become main sponsors of Dumbarton Football Club and some of Dumbarton's youth football clubs, where we have used this tie in as a force for good within the local community - creating new alliances between Dumbarton and local youth football clubs and making the club a hub of the community.

Working with both Dumbarton Football Club and the youth teams, we have developed a Youth Football Player Pathway which will give local children a real opportunity of a pathway from childhood to their local professional first team.



At the start of the EGIP project, we had three operatives who were playing for Dumbarton FC. We came up with the idea of using the railway to help Dumbarton and in turn offer career opportunities to players who at one time sacrificed a career in order to play football. This has not only benefited the team, but also the players in gaining a sustainable career – at the peak of the SDA project, we had 8 of the first team that worked for us. They were put through a comprehensive training, mentoring and ongoing excellence programme to ensure not just a competence in the discipline but an in depth understanding about railway operations and rail safety. Progress was monitored every 6 months, and if succeeding in the role, were able to develop in to more senior positions. This has been recognised by Network Rail and the Scottish Professional Footballer Association who published an article in their monthly magazine.

Our links to football and the community gave us the opportunity to support Back Onside, a charity who are using sport to help tackle mental health illness in Scotland.

Additionally, this has caught the interest of Network Rail who wanted to use our link between the rail industry and football - as the medium between them and members of the public in addressing various social issues such as vandalism, trespassing and health & wellbeing.

**BACK
ONSIDE**

STAY SAFE STAY OFF THE TRACKS RAIL SAFETY CAMPAIGN



We're Still Game for Safety

Using our position within the rail industry and the community (as sponsors of Dumbarton Football Club) we are working with Network Rail and the British Transport Police, delivering rail safety awareness sessions to Primary 4 to Primary 7 children across Scotland. Our goal is to ensure that every child in the area has an awareness of the danger of the railway and how to stay safe – with the aim of reducing children trespassing and railway crime.

Following COVID restrictions being introduced in 2020, we have developed an interactive video which incorporates a virtual tour of the stadium, a local level crossing and a local train station – highlighting the dangers of trespass, overhead power lines, vandalism etc. We were lucky enough to have been able to hire Jane McCarry (Isa from 'Still Game') to narrate the script, along with our very own Dave Gormley and Dumbarton's captain Stuart Carswell who takes us on a tour round the stadium, the level crossing and the station while raising awareness of the dangers of the railway

This was delivered to all P4 to P7 pupils across West Dunbartonshire, with kids being asked to answer 12 questions on the video and to design a picture of what they have learned – with prizes for the school and pupils.

We are continuing to work with Network Rail and other infrastructure operators in delivering similar awareness sessions for children and young people..



OUR CLIENTS



CHECKPOINT
HUB.CO.UK

CNGSYSTEMS.CO.UK

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