Totalmobile

Civil Engineering & Construction

Introducing Totalmobile in the Civil Engineering & Construction Sectors

Accounting for £1.2 trillion of the UK's annual turnover, civil engineering is one of the most important and necessary industries in the UK. Alongside construction, these industries are essential as they build and design the places we work, transportations systems and roads we travel on, communication networks and power supplies whilst offering innovation within our surroundings.

Currently, the civil engineering market including construction, engineering and infrastructure sectors face many challenges. These challenges include many complex interdependent elements for which contractors must remain compliant and adhere to health and safety regulations, while ensuring they are optimally resourced and delivering projects on time and within budget.

Totalmobile are at the forefront of creating and delivering innovative and effective solutions for the Civil Engineering and Construction industry. We bring a unique combination of industry experience and sophisticated workforce management systems. Whether it's the use of mobile devices to replace paperwork and enable real-time reporting, survelliance opportunity software for inspections and audits, logistics route management and compliance, inventory management, rostering, dynamic scheduling or lone worker protection, our solutions ensure services are delivered smarter and safer while maintaining standards and improving the overall customer experience. In addition, we also integrate with the leading industry systems to provide complete solutions without compromise.

How can Totalmobile help?

Totalmobile have created a unique and leading-edge platform which can provide organisations with the innovation to gain competitive advantage and adapt to this rapidly changing environment. Our technology is fully configurable and suitable to large engineering, construction and infrastructure organisations, providing you with the flexibility that will satisfy your business needs and the technology that seamlessly integrates with your back-office systems allowing you to easily manage all work activity across your workforce.

Collaborating with our integration partners including Trimble and Vodafone, Totalmobile have delivered solutions for many large profile civil engineering and construction organisations such as:

EKFB

Eiffage Kier Ferrovial Agroman and BAM Nuttall (EKFB) have implemented Totalmobile's solution to support its logistics operations and inventory management for the phase 1 High Speed 2 (HS2) project.

Working with our partner Trimble, Totalmobile have jointly developed an innovative Vehicle Management Booking System and integrated Inventory Management System that will enable EKFB to monitor, manage and analyse the status and location of its subcontractors' vehicles and inventory in real-time.

The new system combines Totalmobile's Mobilise mobile workforce management application with the Trimble MAPS platform of commercial mapping, routing, navigation and location APIs. It will help them achieve:

- HS2 specific route navigation for subcontrators to and from the HS2 site including capacity limits
- Visibility and tracking of vehicle logistics in real-time
- Visibility and planning tools for temporary traffic management
- "Master Map" web portal provides visibility and status of all logistics elements
- Powerful reporting capabilities will help prevent potential delays and contractor compliance fines

EDF

Totalmobile are supporting EDF's field workforce with our Surveillance Opportunity Notification Information Management System, supporting the first new nuclear power station in Hinkley Point C in Somerset. This provides EDF with a range of benefits including:

- Allows Contract Partners to submit, update and cancel Survelliance Notifications (SON's) in real-time
- Allows inspectors to prioritise inspections
- Allows construction superintendents to manage risk and record compliance
- Improves coordination between inspectors and contract partners
- Improves the capacity of inspectors by reducing inspection-related admin
- Reduce the cost of surveillance by allowing inspectors to carry out more work
- Provide access to SON details and updates on site using a mobile device

Allianz

Allianz Insurance is one of the largest general insurers in the UK and part of the Allianz SE Group, one of the world's leading insurers and asset managers. Allianz carry out certification of equipment and compliance with HSE and worked with Totalmobile to create an intuitive mobile application to meet the needs of their field-based engineering team. Mobile technology has enabled Allianz to generate greater efficiencies and productivity such as:

- Completing 400 extra inspection units per day

- Providing over 400 engineers with 253 hours more productive time per day, giving them a 7% increase in productivity

- 1 million visits completed successfully on their mobile devices

Vodafone

Vodafone implemented our mobile solution to look specifically at audits that take place on site as contractors install UK fibre broadband network, focusing on Quality Assurance and Health and Safety. The Totalmobile solution has been instrumental in improving health and safety via mobile working in Vodafone and has helped them achieve:

- 20% total time reduction in completing audits

- Increased visibility of their field workforce

- Real-time visibility for subcontractor activities, reporting and compliance

- Improvement of consistent workflows, eliminating errors ensures all activities are completed in the correct way and nothing is missed

- Eliminating paper-based processes and enabling image, signature, time, date & stamp capture

- Lone worker protection

Key capabilities of the technology:

Being cloud based, our solutions are secure and scalable ensuring efficiency of services.

Real time compliance management for your workforce and subcontractors:

The platform enables organisations to manage all work activity of their own workforce and also subcontractors which ensures all information is gathered as it happens in real time as well as providing consistency of service and visibility across all users. This is essential for auditing purposes and compliance as information is recorded and readily available. Organisations can record and monitor aspects of work such as health and safety audits, highways and caballing and installations all under one system. With the ability to date, time and location stamp each activity, as well as using interactive forms to record all information, your organisation can guarantee recording of data is accurate and consistent, ensuring compliance standards are met.

Other capabilities include:

- Real-time HSE audit task creation and management
- Real-time operations oversight including current job status and location
- Lone Worker safety
- Construction Surveillance management
- Mobile device workflow-based RAMS management
- Supplier delivery and egress route compliance
- Real-time HSE audit task creation and management
- Vehicle checks and inspections
- Certified asset management including LOLER inspections

Inventory and logistics:

Keep track of your suppliers, subcontractors and own vehicle fleets with our Vehicle Management Booking System and integrated Inventory Management System allowing your organisation to manage and monitor delivery bookings, analyse the status and location of vehicles and inventory in real-time. Totalmobile also offer supply chain logistics including defined routing and route compliance, delivery slot management and "last mile" navigation. Usually the management of routes and the oversight is at the individual haulier level. Our solution allows oversight of all supplier logistics and the inventory they move in one system. We've integrated our VMBS and IMS solutions which historically have been used to manage delivery slots and inventory separately, however through integration, there is full visibility of inventory onboard trucks for delivery as well as monitoring of each delivery, ETA updates the time and date goods are being delivered with the exact location it is going to.

Additionally, our solutions include site specific (private site / access road) routing and navigation. Usually site access roads which are specific to the construction site are private and constructed and removed again at the end of the job which means the routes are not visible on any maps. However, Totalmobile's solution provides this visibility of these routes.

Surveillance:

Our Surveillance Opportunity Notification Information Management System allows for inspections to be carried out in order to ensure safety, quality and compliance. Once the survelliance opportunity (visit) is assigned, the inspector team lead will be able to view the time and location of where it is and both the inspector and the construction contractor will receive a notification to their device, so they can manage the visit both on the device and on the portal. This helps streamline processes within building inspections as all information is captured securely and kept up to date in one place. This information is extremely important when it comes to building or safety inspections and gives your organisation piece of mind that data is recorded accurately.

Mobile:

The mobile app used by staff and subcontractors allows for real time status updates including GPS status location position. This is important for auditing purposes to identify people's whereabouts. The workflow capability ensures that employees and subcontractors carry out the same tasks in the same way.

The mobile app is cross platform which enhances flexibility for users to use across multiple devices. A unique element of the mobile app is that users can use both the back office and the mobile app whereas most solutions is usually only one or the other.

The real time nature of visibility of jobs on the map view showing all the current activities in the field is a powerful visual for auditing and compliance purposes.

Scheduling:

The solution offers location scheduling which health and safety auditors for example complete within the portal. It enables the ability to manage a collection of jobs, planning capabilities to allocate over several resources in order to complete. The map view highlights unassigned audits, each user is shown within their own location as a pin on the map and they can decide which audits in their region they would like to prioritise depending on their workload, this ensures they can better manage their schedule.

Job Management:

The solution includes a semi- automated job management capability. This enables a workflow to be created to ensure the creation of and allocation of jobs for the workforce are created. For example, a project manager can automatically allocate a job to the planning team on their devices to initiate the project and ensure get it is underway. The job goes through several steps before the project is validated and signed off.

Lone worker:

The solution provides access to safety alerts, status updates and locational information to support staff who are operating in high risk environments or undertaking sensitive activities.
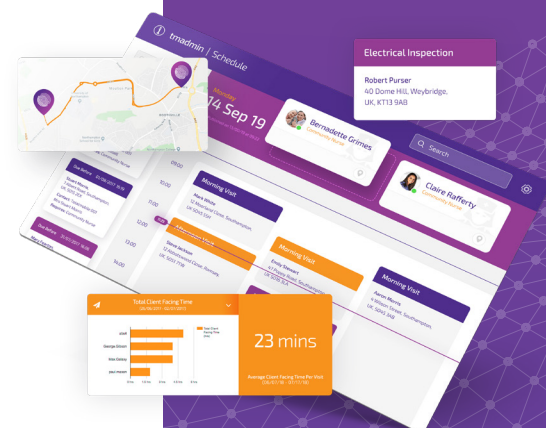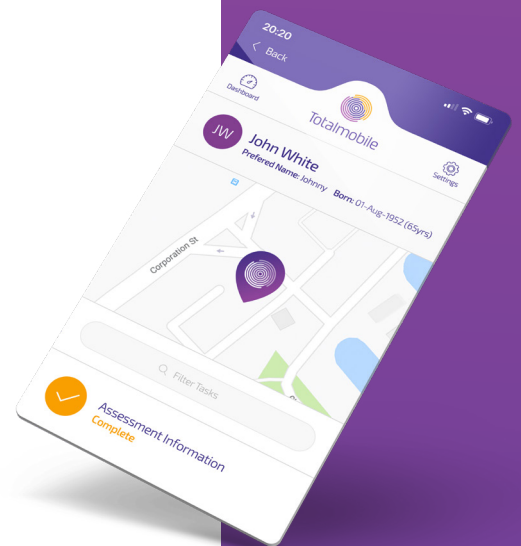
Benefits

Ensuring compliance standards are met:

- With automated workflows in place, organisations can ensure jobs are completed and on time. Approved workflows that guide staff through jobs and the completion of mandatory compliance forms helps ensure staff are meeting all health and safety requirements

- Full visibility of your workforce and subcontractors, dashboards, KPI and real time reporting procedures ensures compliance standards are adhered to and met

- Our intuitive forms ensure evidence is accurately documented and signatures are captured to provide a transparent audit trail. By being compliant, your organisation can prevent the amount of incidents that occur, ultimately avoiding significant fines, whilst keeping employees updated on industry standards and regulations

- All work can also be easily evidenced, with reporting specific to relevant stakeholders enabling drill down into the data for detailed analysis when required

- Improved compliance for a wide range of needs including supplier routing, certified assets, inspections including survelliance opportunities and lone worker.

Increase in workforce capacity and productivity:

- Real-time access to information, dynamic task allocation with relevant workflow guided process. Planning and scheduling tools together with oversight including geolocation and powerful reporting enables better capacity

- More effective use of resource brings greater efficiency

- Staff can complete more jobs on time with the correct tools in place

- Work can be completed and delivered digitally, directly to mobile devices, allowing staff to continue on with the job at hand with minimal down time

- Survelliance opportunity notifications lists for inspections reduce office time and general site travel delays

- By providing immediate access to historical job information and essential access data at the point of service, field staff will have all the information they need to access the site, complete the task and record real-time updates that can be communicated automatically with back office systems and third parties

- Sharing of information between back office systems improves the communication between relevant departments and third-party contractors, as a result improving restoration times and maximising workforce efficiency.

Delivers improved cost efficiencies:

- Using mobile technology improves health and safety amongst your field workforce, reducing incidents and associated fines

- Less missed audit visits improve cost efficiencies

- Removal of paperwork ensures a reduction in costs associated with administration

- Subcontractors receive timelier payments as information from jobs is efficiently synced to the back office ensuring that payments are made quicker, this ensures payments are made immediately rather than accumulating and having to pay a larger amount at once

- Ability to take on more suppliers because they have the app themselves, more suppliers will in return generate more price competition

- Automated SLA management ensures more projects are delivered and implemented on time – generates more revenue.

Stay ahead of the competition with innovative technology:

- Delivering a new era of service through transformational technology

- Advances in technology are enabling civil engineering and construction organisations to improve sustainability and streamline processes

- The introduction and innovation provided by real-time information and technologies such as IoT helps manage and maintain these projects, allowing organisations to provide a more efficient service, monitor assets in real time, generate valuable data whilst delivering cost efficiencies and increasing productivity.

- At Totalmobile, we provide the ability to integrate with existing ERP and planning tools to provide a seamless solution and extend the benefits from efficient mobile working and our range of offerings.

Workflows

- The workflow capability within the mobile app ensures that employees and subcontractors carry out the same tasks in the same way. There is also a compliance element to the workflow to ensure that is maintained. From a job management perspective, workflows are created to ensure the creation of and allocation of jobs for the workforce are created.

Map view

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Location scheduling

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Access to mobile app as well as back office systems

- A unique element of the mobile app is that users can use both the back office and the mobile app rather than one or the other.

Billing for subcontractors

- The solution includes a billing and invoicing capability which ensures sub-contractors are paid once the job is complete

Dashboards & reporting

- Real time information is continuously updated and collated with data fed back and represented via dashboards. The dashboards provide a reporting functionality which allows KPIs to be monitored and action to be taken if required. Fully automated reports allow organisations to monitor trends and improve on service delivery.
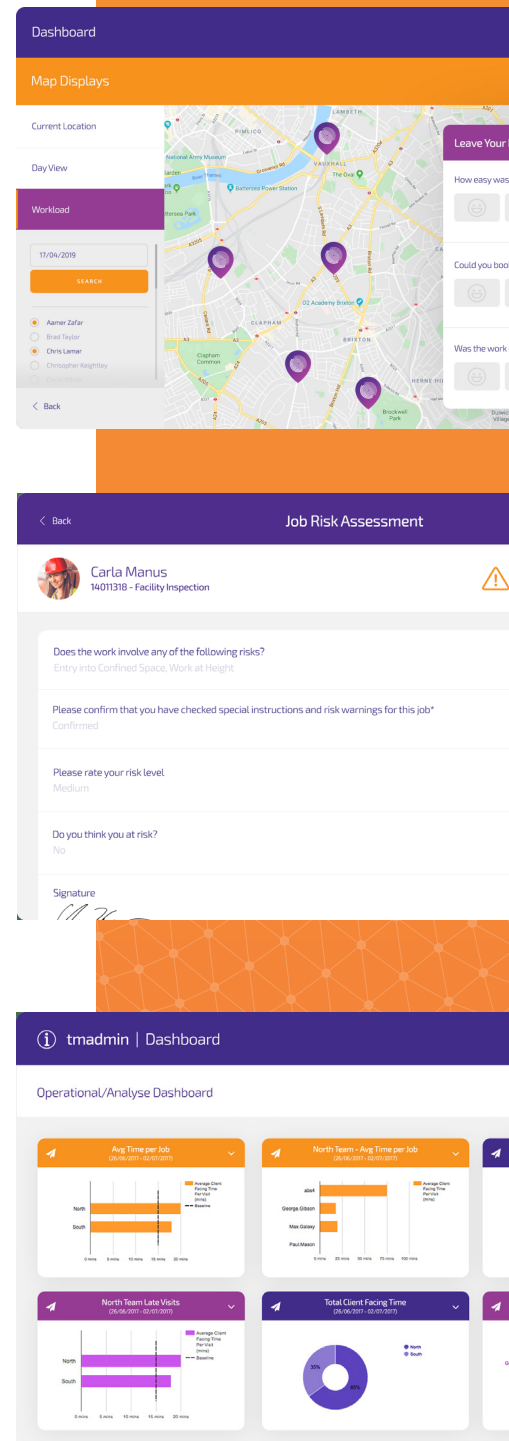
To learn more contact us on
02890 330111 or alternatively at
info@totalmobile.co.uk

Totalmobile

Totalmobile is market leader in field service and mobile workforce management technology, helping organisations deliver more service, of the highest quality and at reduced cost.

Our SaaS based software provides a range of innovative products that deliver a step change in field service performance, mobile worker empowerment and management control.

This unlocks transformative cost savings, capacity gains, productivity improvements and empowers allows mobile workers to focus on consistently delivering the best service.

Belfast Office
Pilot Point
21 Clarendon Road
Belfast
BT1 3BG
+44 28 9033 0111

Belper Office
Ironstone House
Kedleston Close
Belper
Derbyshire DE56 1TZ
+44 (0) 1773 596

Bury St Edmunds Office
22 Park Farm
Fornham St,
Genevieve
Bury St Edmunds IP28 6TS
+44 (0) 1284 330 164