

Connected smart trucks from Toyota

with I_Site fleet management





STANDARD SMART TRUCKS

AN INDUSTRY FIRST BENEFITING YOUR OPERATION

Do you know the precise utilisation levels of your trucks? Or how much downtime some of the trucks in your operations are experiencing? Could there be a solution to optimise service intervals and lower overall cost? Now, there is an easy way to monitor and be in control of your operations.

Warehouse trucks from Toyota are factory-fitted with integrated telematics as standard, making them Smart Trucks. Toyota counterbalanced trucks can optionally be fitted with I_Site. This allows your trucks to be connected and send online information to your Toyota I_Site fleet management system.

Connected trucks provide you with the right information to make sure you are in total control of your operation, and even allow you to take action from a distance if necessary. Whether you are a one-truck customer or have a big fleet of forklift trucks across multiple sites globally.

By gathering and analysing data of your smart trucks, you will be able to continuously optimise different areas in your business for maximum value-added operation with extreme optimisation and zero waste in energy, time and space. All this resulting in more efficiency, productivity and safety in your workplace for leaner operations.

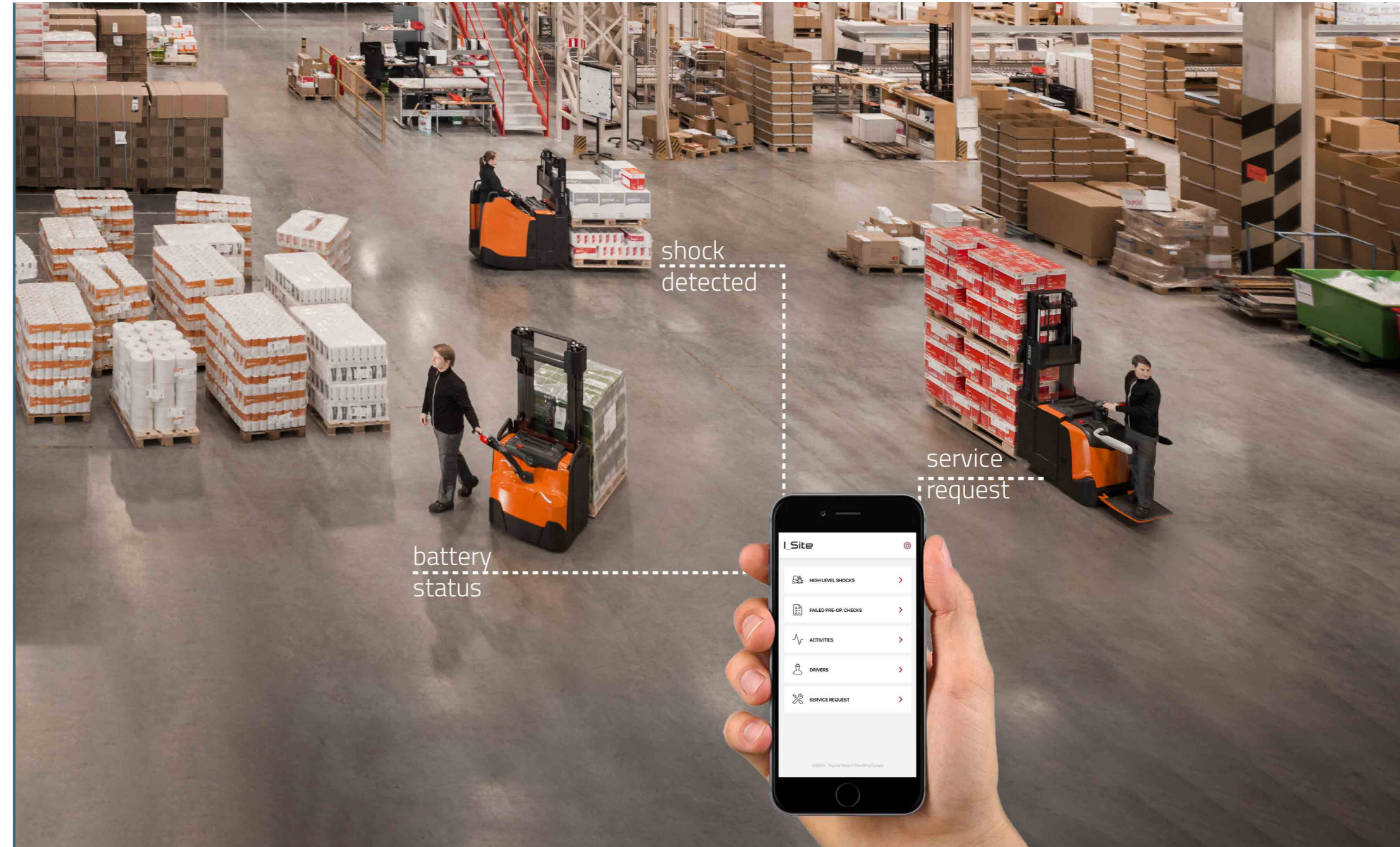
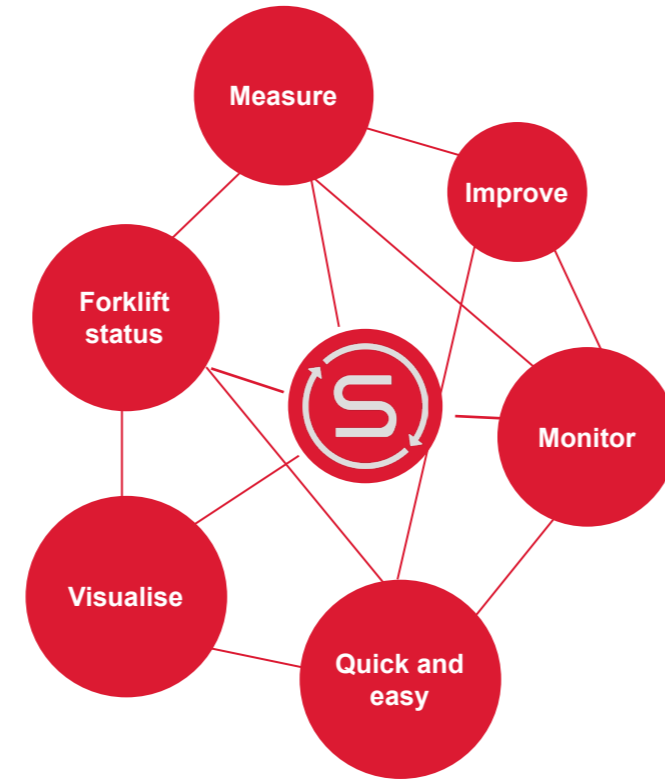


BE IN CONTROL : MEASURE AND IMPROVE WITH TOYOTA I_SITE

Smart trucks from Toyota, equipped with telematics hardware, are standard connected to I_Site, the fleet management system from Toyota. Toyota I_Site is the perfect tool for fleet and logistic managers to understand forklifts' status, driver performance and overall productivity in their warehouse.

The user-friendly I_Site dashboard interface offers a condensed real-time and accurate overview of your operations, in which you can visualise issues very quickly. It is accessible whenever and wherever you need it: via a web browser, a tablet or a smartphone. You can choose and customise the indicators you like via the interface which give you a quick, yet precise overview of your general status on the warehouse floor. Meanwhile, all the background data you need is always available, and just one click away. Toyota has established the appropriate data security procedures for your data.

Toyota I_Site is a powerful solution for exploring and realising improvements in several essential areas: whether you want to reduce costs, increase your utilisation ratio, control machine access, track drivers' licences, improve your environmental performance or increase safety in your workplace. Toyota I_Site gives you a crystal clear overview with all details you need to make the right decision and optimise your operation. This allows you to keep full control of your business by measuring, analysing and improving your material handling operation.



BENEFITS OF A CONNECTED FLEET

INCREASE PRODUCTIVITY

Toyota I_Site gives you the facts and figures you need to step up your productivity, as indicated in the examples below:

- **Improved machine utilisation**

Monitor your truck fleet utilisation and compare scheduled hours to operating hours. Ensure your machines are used 100% of their potential.

- **Improved drivers' performance**

Make sure all your drivers are correctly trained and have a valid licence. Track who would need refresher training to optimise your productivity level. Get daily activity reports on operator efficiency.

- **Smart benchmarking**

Assess and compare truck performance across multiple sites, to easily keep track of all activities and take action where necessary.

- **Reduce downtime**

Prevent operational blockage and inefficiencies thanks to the comprehensive analysis on your operators and trucks. Track any bottlenecks at a glimpse via the user-friendly I_Site dashboard.

IMPROVE SAFETY

Toyota I_Site allows you to significantly improve safety in your workplace in many different areas, as indicated in the examples below:

- **Control your machines' access**

Make sure only trained and authorised drivers have access and can drive your machines. Create unique driver profiles with PIN code for increased safety.

- **Manage your drivers' licences**

Indicate a validity date for your operators' licence and get an email notification in advance when renewal is due.

- **Monitor impacts**

Smart trucks are equipped with shock sensors that detect and record impacts on three levels: the truck, the driver and the timespan. Get an alert on your phone when an impact occurs in order to take corrective measures and save costs. A lock-out of the truck is also possible when a severe impact happens.

- **Challenge your drivers**

Team Challenge is a game based on I_Site safety data to make forklift drivers compete for a safer work environment and at the same time create a better team spirit and reduce damage cost.

REDUCE COSTS

Toyota I_Site gives you an overview of data allowing you to control your costs and make significant savings, like in the examples below:

- **Track utilisation**

The contract utilisation feature in I_Site gives you an overview of contracted hours compared to operating hours. Prevent over-utilisation of your trucks which creates unnecessary additional costs.

- **Avoid damage and insurance cost**

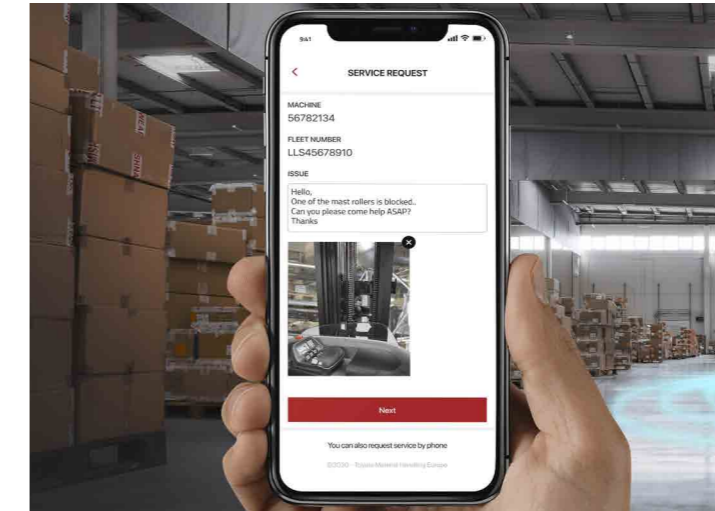
Using I_Site will help you to monitor impacts and activity and prevent action that lead to damage to machines, loads or building. Reduce costs by enforcing proper use of trucks and avoiding damage.

- **Monitor your battery status**

Save costs by increasing the life cycle of your battery. Track battery status, charging / discharging cycles. Avoid improper handling, reduce waste of energy and unnecessary costs.

- **Fewer technical interventions**

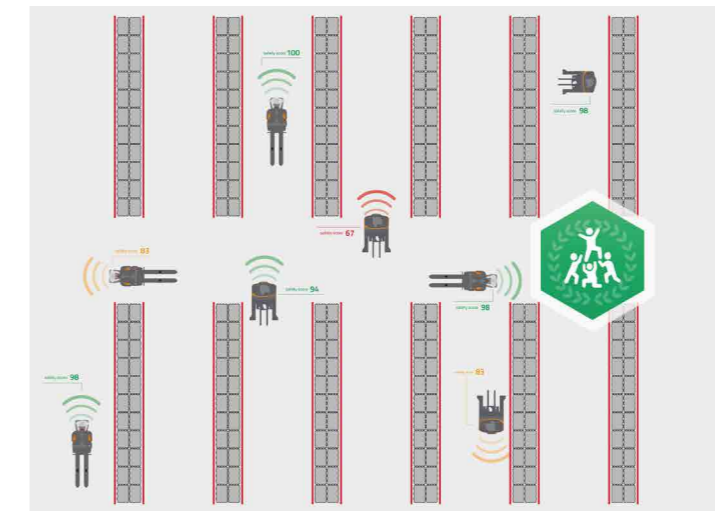
Constant monitoring of your machines allows you to understand when preventive action is needed. It will lead to fewer service visits and consequently result in cost savings.



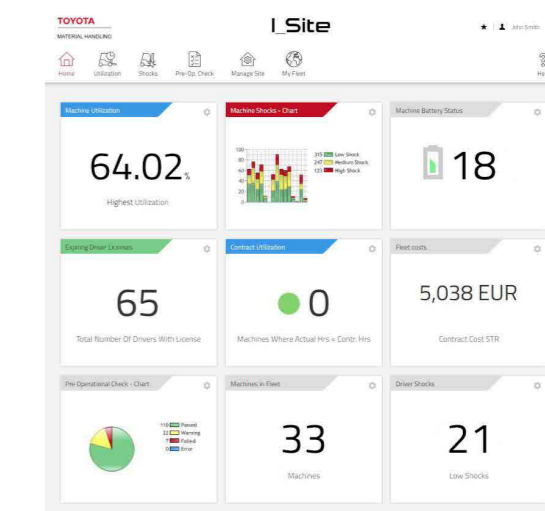
With the standard service app, you get in direct contact with your service team via your phone by sending a picture and/or a message.



With smart access, drivers get a smart card to access the machines increasing security.



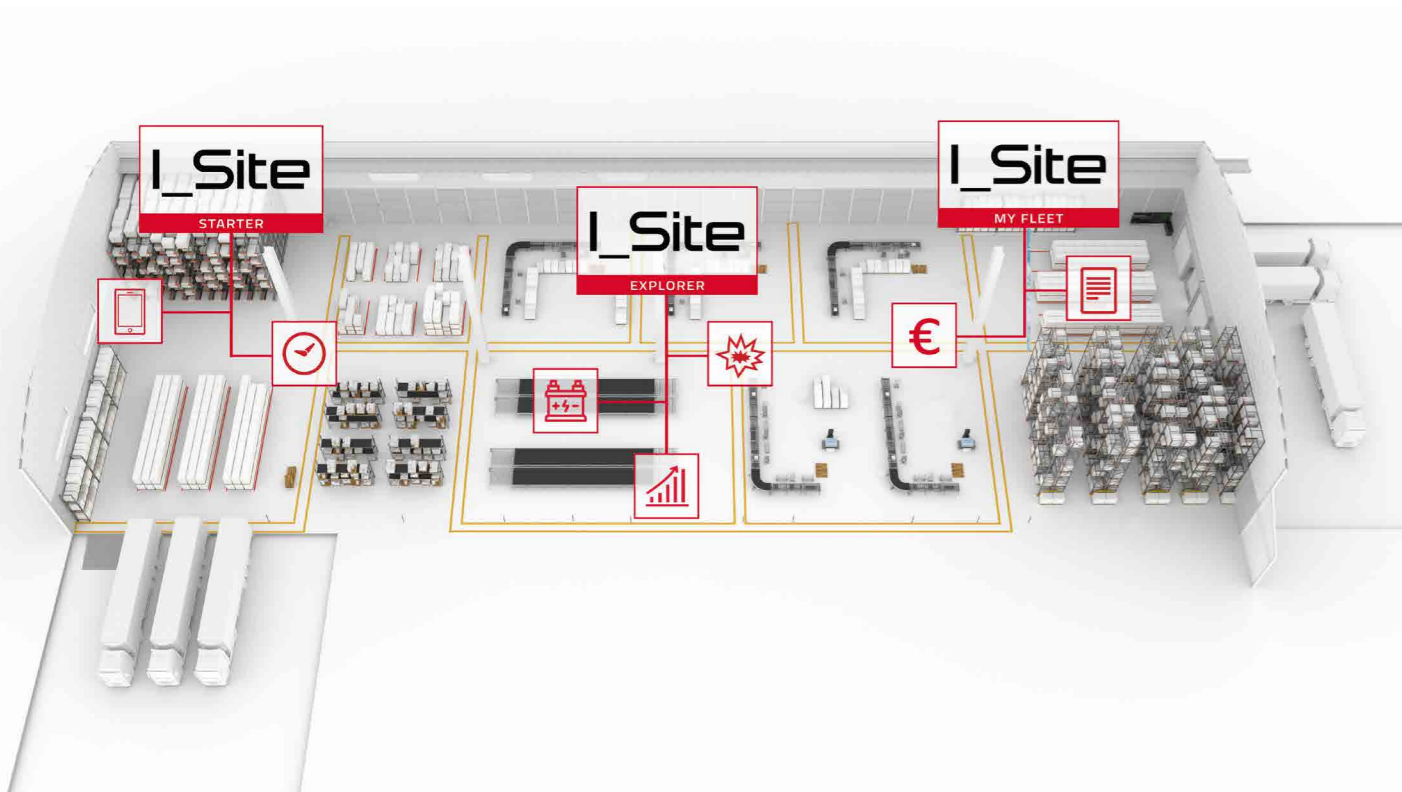
Through Team Challenge you will get an overview of both the individual safety scores, as well as on a team level.



The user-friendly I_Site dashboard interface offers an accurate overview of your operation.

GET VALUE OUT OF YOUR SMART TRUCK

WHAT IS THE RIGHT DATA AND PACKAGE FOR YOUR OPERATION?



Start using data to get insights about your fleet

Standard included

Fleet overview gives easy access to basic information about your smart truck fleet i.e. fleet numbers, serial numbers, age, hour meter, as well as service and rental contract type.

Operating hours lets you easily track the hour meter data of each connected truck, indicating when maintenance is due and if utilisation needs to be levelled out.

Service Requests in App allows you to send a picture and/or a message directly to your service team via the smartphone app for a quick service response.



Get control of your costs

Incl. I_Site Starter

Cost Overview gives you a summary of the costs (damage cost/total cost) of your site(s) for a selected time period. The cost overview per connected machine shows the serial number, the fleet number, the total cost, rental fee and service fee as well as the damage cost (with the invoice date and number). It also shows an accumulative cost overview of your sites.

Invoice details help you to keep track of your rental and service invoices, related invoice numbers, invoice dates and cost.

Service History shows all service activities for your site(s), including the number of breakdowns, preventive maintenance and repair jobs. You can tailor your service intervals to the use of your trucks, for longer lifecycle of your equipment.

Service worksheets shows for each performed service by a Toyota technician the service order worksheet which you signed when the job was completed.



Improve performance & safety

Incl. I_Site My fleet

Access control allows you to create unique driver profiles with PIN code to make sure only trained and authorised drivers have access and can operate your machines. Smart access cards (optional) increase your level of security, as drivers will need to use a smart card in order to access and drive your trucks.

Driver management to manage your drivers' licenses by indicating a validity date for each license. You get an email notification in advance when renewal is due. You can also select individual driver speed limits. In combination with impact management you can set up relevant operator training.

Utilisation KPIs will show you the utilisation rate of your fleet and how busy your drivers are. This will help you to plan more efficiently over the different shifts, making the most out of your fleet and team, which results in savings. You can also monitor the status of contracted hours to avoid excessive or insufficient usage and the related extra cost.

Battery management enables monitoring and optimising battery usage to guarantee a longer battery lifetime.

Pre-operational check requests drivers to perform a pre-operational safety check via a display before starting up the truck, improving reliability of the fleet and safety in the workplace. Extra hardware may be required: please check with your specialist if this is the case for you.

Impact management gives you an overview of the impacts registered, when they happened, how severe they were, who was driving and at what speed. This way you can find the reason behind the collision and prevent it from reoccurring. You can make smart trucks go into creep speed after an impact, only able to perform at full speed again after being reset by authorised personnel. It also allows to systematically follow up on high impacts by using the comment function for shock lockouts, for continuously monitoring and improved safety as a result.

Impact map helps you to, for example, identify critical areas on your yard where impacts occur.

Tracking supports monitoring of the location of your smart trucks outdoor on your site via Google maps. It follows your trucks during operation or when transported on lorries. Tracking might work indoor depending on the SIM card signals.

Geofencing allows to set up your geofence area and get an alert as soon as a forklift leaves its geofence and enters a restricted area. Geofencing can be used as anti-theft control.

Two-way messaging lets you quickly send a message to your drivers from the web portal or app to their pre-op check display. Operators on their turn can send pre-set messages (oil spil, damaged goods, ...) to their fleet manager from the pre-op check display on their truck. Very convenient in large or noisy sites.

Real-time notifications are sent to give instant updates and messages of impacts as well as where they occur, messages from the trucks, pre-operational check failures and if trucks are leaving the geofencing.

Full app functionality including instant notifications of high shocks, tracking of the pre-operational check failures, control of fleet activities, update on driver details, possibility to send messages, close track of error reports and ability to send direct service requests.



Get advice on how to optimise your operations

Incl. I_Site Explorer

For further optimisation of your business you can get support from a Toyota expert to analyse your data in more detail and help you to improve your operation. This consultancy service can be customised to your needs.

- Productivity & Load analysis reports
- Batteries & Charging analysis reports
- Safety analysis reports
- Benchmark & Consultancy

TOYOTA I_SITE OPENED UP A NEW WORLD OF OPPORTUNITIES AT DANSKE FRAGTMAEND

The logistics company Danske Fragtmænd's site in Taulov has around 200 lorries and 90 trailers entering or exiting every day. 42 forklifts operate within the 4000m² warehouse next to a 16.000m² terminal floor. The company has implemented the fleet management tool I_Site and it has opened up a new world of data and opportunities to prevent accidents and injuries, coach employees, improve workflows and optimise the operating cost of each forklift truck.

Always in control

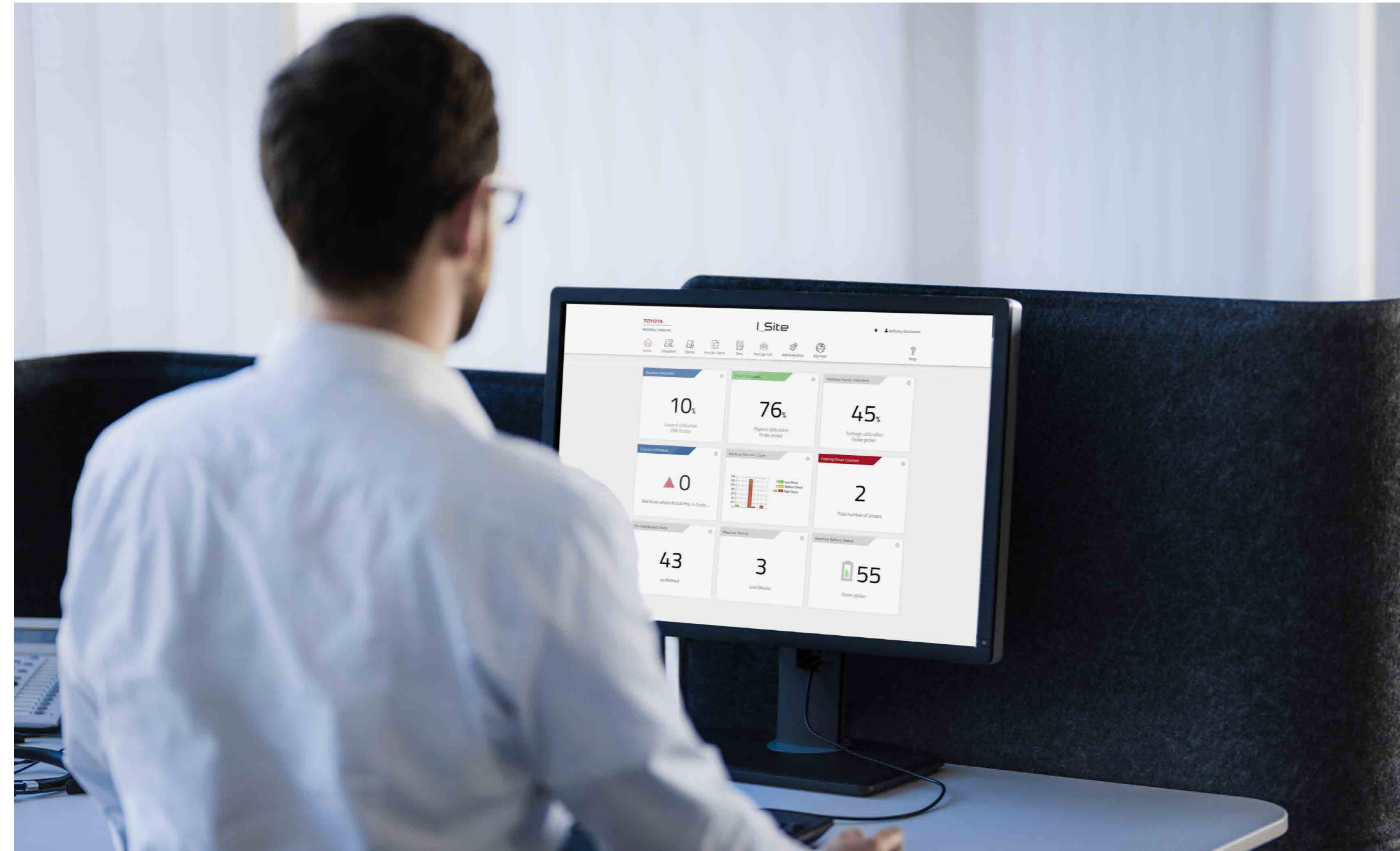
"We have been working with Toyota Material Handling for many years now, relying on them for the leasing and servicing of our material handling equipment, which ranges from small electric stackers to 6-tonnes forklifts," says Operating Coordinator Bjarne Kristensen. Bjarne's reason for choosing Toyota is based on his trust in Toyota's quality and good service technicians. Another motivation is the access to an easy overview of the company's fleet's daily use and cost thanks to the user-friendly dashboard from Toyota I_Site.

Smart insights & transparency

"I_Site is smart: it gives me detailed insights into different areas such as which loads each truck is carrying, how each employee treats the equipment, possible safety issues and so on.," "The tool offers incredible transparency into my operations. I can see exactly when an accident has occurred and who has been driving the truck. Having this accurate and fact-based knowledge at hand effectively helps to reduce costs and increase safety," says Bjarne Kristensen, Operating Coordinator at Danske Fragtmaend.

FACTS & FIGURES

- **Company:** Dansk Fragtmaends
- **Location:** Taulov, Denmark
- **Industry:** Logistics
- **Toyota trucks:** powered pallet trucks, powered stackers, hand pallet truck, Electric and Diesel forklifts
- **Applications:** horizontal transport, stacking, picking



Toyota Material Handling in Europe

Total coverage

The Toyota Material Handling network extends to over 30 countries in Europe with more than 5000 mobile technicians.

Always local – with global support

Wherever you are located in Europe, we are always local, due to our extensive coverage, but with the stability and back-up of a worldwide organisation.

Made in Europe

Over 95% of trucks we sell are built in our own European factories, in Sweden, France and Italy – all to TPS quality standards. We employ over 3000 production staff in Europe and work with over 300 European suppliers.

Approximately 15% of our European production is exported to other parts of the world.

