

#### **Service Leaders Summit 2022**

Presentation Session 2



How to effectively drive the end-to-end digitalization of the experience of your customers and dealers

Marco Piovano, Director Dealer Digital Solutions at Terex Materials Processing



# How to effectively drive the end-to-end digitalization of the experience of your customers and dealer

Marco Piovano



#### **Terex Business Structure**



We are a global corporation organized in 2 segments





#### **Terex Business Structure**



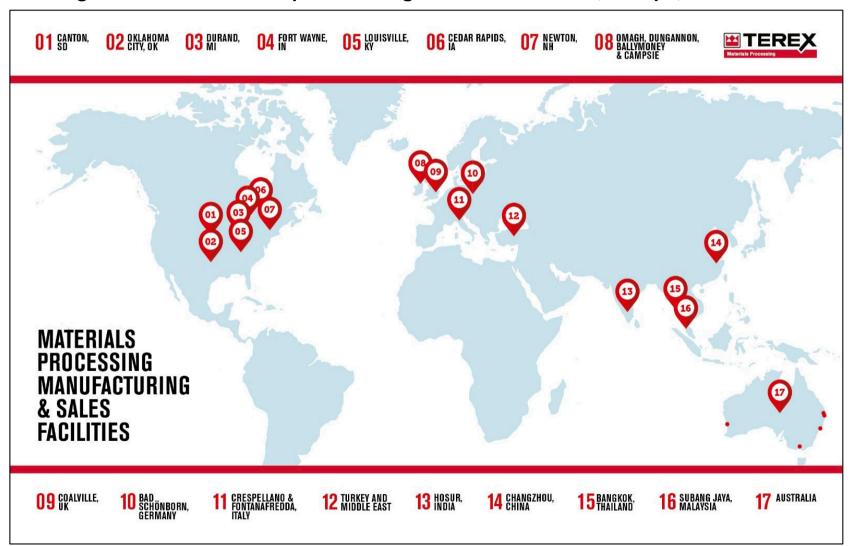
Our portfolio of business lines add value to materials predominantly through four categories: Crushing and Screening, Environmental, Material and Scrap Handling, and Concrete.



### **Terex MP - Global Footprint**



We have a true global presence—operating worldwide in over 80 countries, with more than 16 manufacturing and sales locations spread throughout North America, Europe, Asia and Australia.



### **Terex MP - Global Footprint**



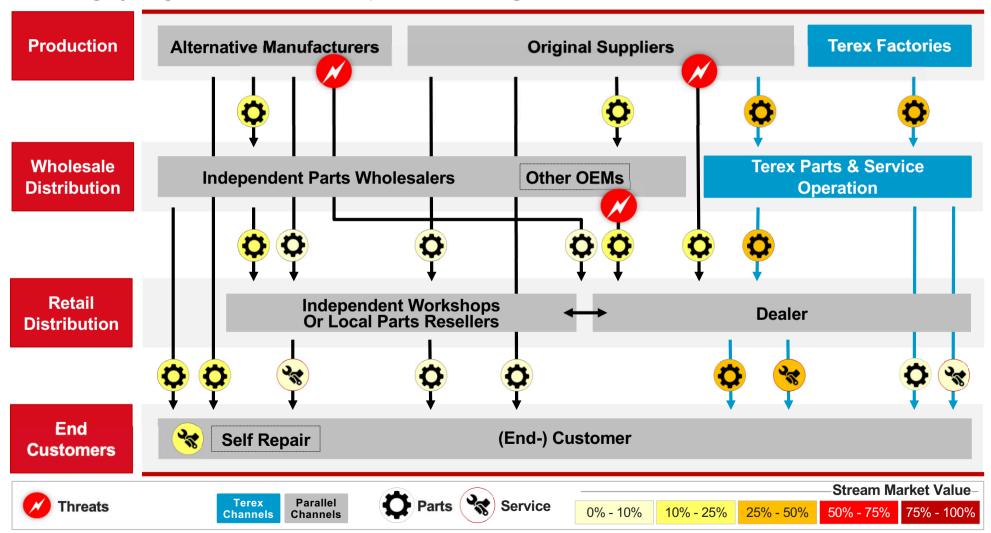
We also have an extensive global parts network to support our Aftermarket Service.



#### MP is largely based on a dealer distribution model



Our equipment is serviced and repaired by a growing variety of Competing Distribution Channels and a highly fragmented Service Footprint demanding Terex to react

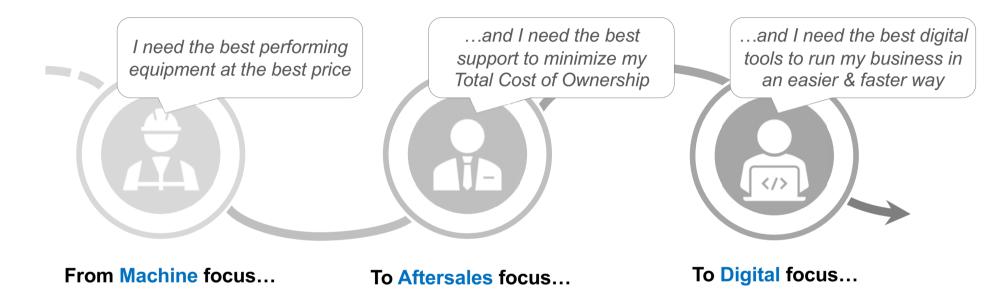


\*Machine aging is less than 5 year

### **Customer digital evolution**



The profile of our End-Customers evolved significantly in the last years, Terex & dealers must adapt to these changes to stay competitive and gain business opportunities









### **Digitized Products & Services**



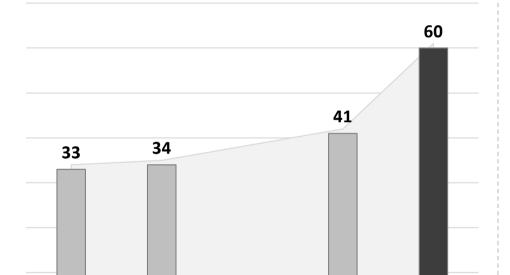
Digitized Products & Services have accelerated by several years during the Covid-19 pandemic; however, the construction industry is among the least digitized

Average share of products and/or services that are partially or fully digitized, %\*

■ Pre-Crisis ■ Covid-19 Crisis

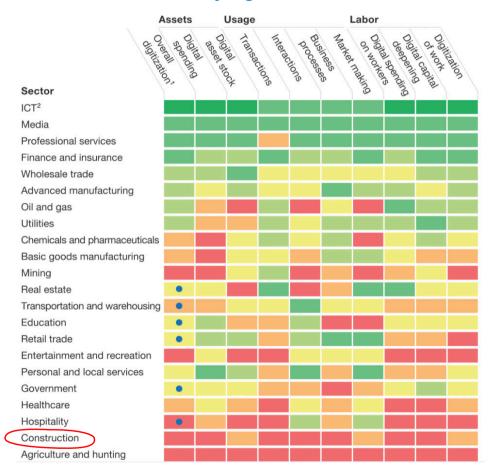
2018

2017



2019

#### Industry digitization index\*\*



\*McKinsey & Company survey, 899 respondents C-Level Executives and Senior Managers representing a full range of regions, industries, company sizes and functional roles. ¹Years ahead of the average rate of adoption 2017-2019; \*\*McKinsey Global Institute. 1 Based on a set of metrics to assess digitization of assets (8 metrics), usage (11 metrics), and labor (8 metrics). 2 Information and communications technology. Source: AppBrain; Bluewolf; Computer Economics; eMarketer; Gartner; IDC Research; LiveChat; US Bureau of Labor Statistics; US Census Bureau; McKinsey Global Institute analysis



2020

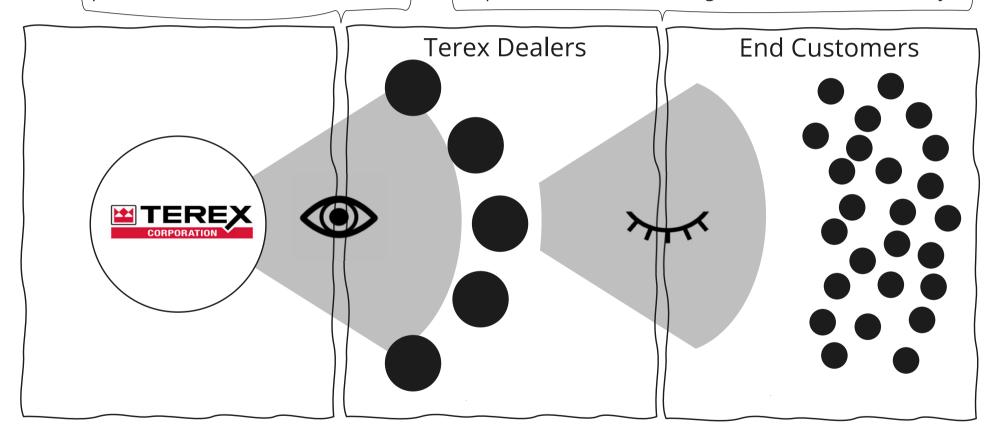
#### Dealers are main drivers of customer experience | TERE



Our end-customer experience relies mostly on the experience they have with our dealers

While we improve the quality of our products and our services to dealers...

...we have very limited visibility & control over the end-customer experience. And the level of digitization of our dealers is very low

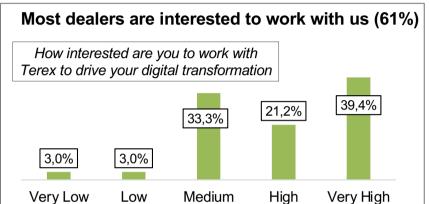


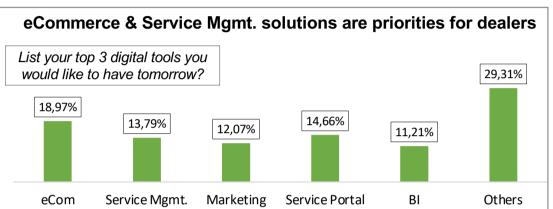
Support our dealers to accelerate their digital transformation is the only way to drive a significant improvement in customer experience and stay ahead of competition

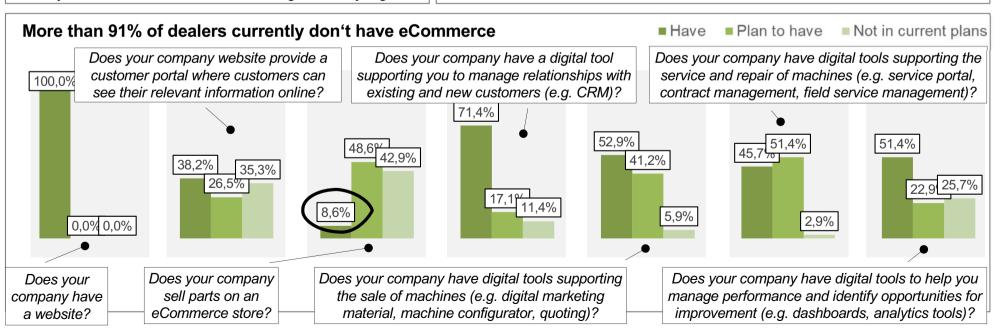
### **Key Insights from Dealer Survey**



We have conducted a Digital Survey across Terex MP dealers. Dealers are interested in collaborating with Terex on Digital and eCommerce is one of the top priorities followed by Service Mgmt. tools







### **Our Digital Transformation**



"Purposefully implement and use digital technologies by Terex and its distribution partners to improve business processes, productivity, deliver better customer experience, manage business risk, grow revenue and control costs."



### Value of digital solutions



A digital solution should focus on solving real problems and delivering real business value across 3 very inter-connected areas



- Identify customer opportunities based on real data & analytics
- Leverage IoT / Big Data (e.g. from Telematics) to expand service offering



- Save Cost & Time via digital, automated, integrated processes
- Centralize data for internal & external users to consume more efficiently

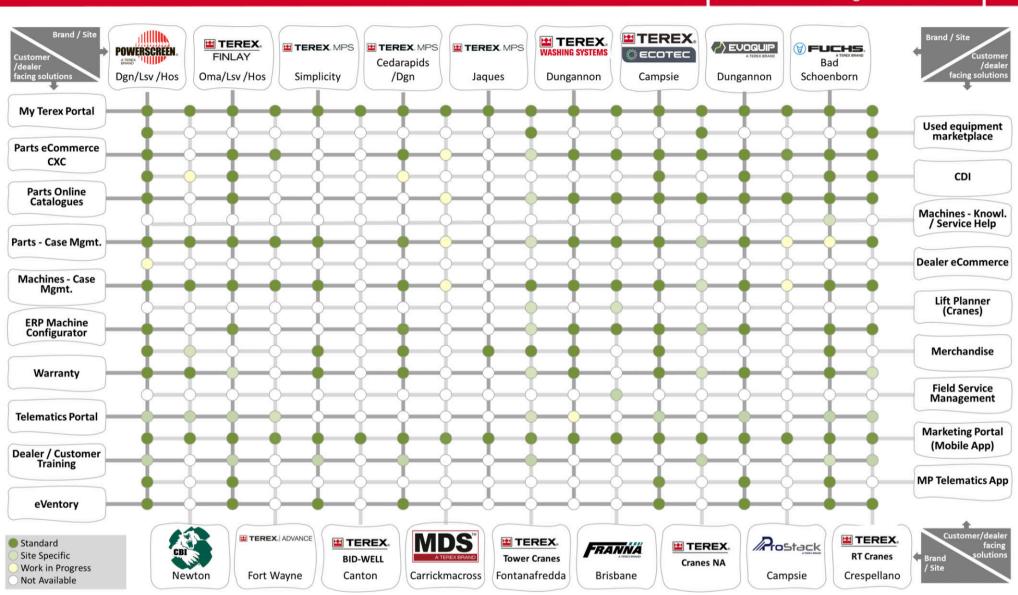


- Drive Customer
   Convenience: "Easy to do business with"
- Leverage technology to manage more professionally all customer interactions

### **MP Digital Solutions Landscape**



**Materials Processing** 



#### Dealer System universe is very diversified



#### **DMS - Dealer Management Systems**

Across all our dealers we have identified so far 90 different Dealer Management Systems. This implies a very high level of complexity and effort of integration of systems & processes



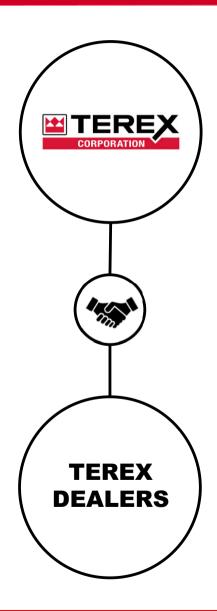
We play more and more an <u>active role</u> in helping dealers to decide which system to adopt to:

- Make sure dealers have a good system...
- ...that can be integrated with Terex
- ...that has already some of critical digital applications (e.g. CRM)
- ...that allow us to limit integration effort

```
Rentalman
                      iness Fortnox
           Dyna-Info Salesforce
       Dynamics
                            Protean
          Joalileo
                           Catalog
       HBS NEOTT Track Oracle
 BI-Tech
      EBS Sept
Lexware Pronto
                   Focal NDS Workflow
     Hansa
  Visma Netbaron E-Emphasys Irium
  Autoline Pentana Epicore Navision
                     Software Winline
                       Toplog OB
                Win Microsoft
                        Mistral
```

#### Terex and dealers investing together





#### **Dealers and Terex join forces to:**

- Be <u>significantly more time & cost efficient</u> to access State-of-the-Art Digital Solutions
- Leverage a <u>broader team of experts</u> covering all IT & business aspects on both Product and Customers angles
- <u>Streamline integrated business processes</u> and base them on a more powerful and accurate set of data

#### With the clear objective to:

- Deliver Best-in-Class <u>Customer experience</u>, minimizing Machine Down Time and the Total Cost of Ownership
- Outpace and stay ahead of competitors (existing & new)
- Stay ahead of, or at pace with, changing customer needs
- Reach new markets and grow revenue
- Improve <u>business efficiency</u>, eliminate errors & delays and reduce costs

#### Digital transformation, diversified approaches



#### **Role of Dealers**

#### Role of TEREX

Dealers
develop
capabilities
on their own

- Define their digital roadmap
- Select, implement and maintain their digital infrastructure
- Provide dealer the necessary data through automatic integration
- Provide guidance on digital solutions

Dealers join the TEREX Digital Solutions Program

- Actively define and prioritize Digital Solutions
- Engage and provide inputs to drive future development

- Support implementation and integration out of a TEREX Digital Solutions team
- Co-investment and negotiation with vendors, meaning much lower investment cost for each participating dealer

### **Principles of Digital Solutions**



#### Extensibility



Solutions will **extend and adjust** towards future
customer and dealer needs

#### Scalability



Fully in the cloud, handling growing data needs and easily deployable enabling a much lower cost from each dealer

#### Multi-Line



The digital solutions are **completely multi-line**, serving also Non-Terex products, to best support end-customer expectations

#### **Data Protection**



The data is stored by an independent provider and nobody except dealers can access their own data

## Efficient Operations



Supported by 3<sup>rd</sup> party IT service provider to avoid additional workload for dealer IT team

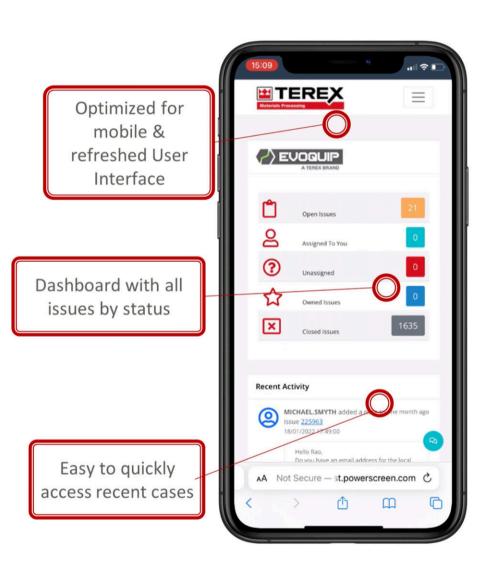
#### Co-Investment

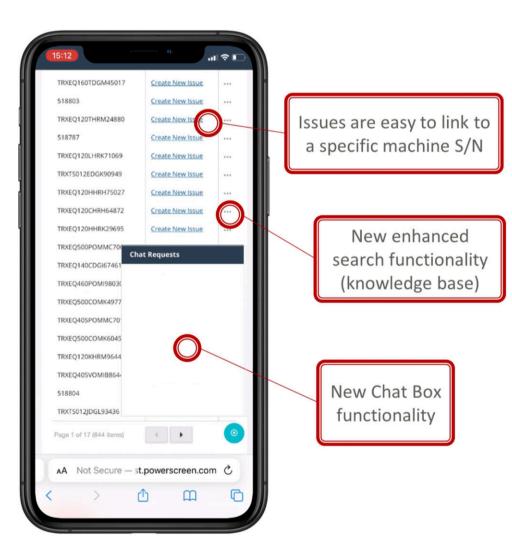


TEREX **co-invests** with dealers to accelerate their digital transformation and allow them accessing technology quickly and at a lower cost

### **Example: MP Help Desk**







### **Example: MP Telematics App**



**Materials Processing** 

#### Initial brands in scope







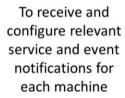


Dashboard

TEREX.



To manage fleet of machines, monitor their utilization and efficiency over time (Fuel Usage, Operating Hours and Idle time)



To access Terex advisories for a given issue helping identify the issue and the possible resolutions

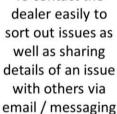












To contact the

tools

To access quickly all details of machines on a list or an interactive map

To be enhanced with new dashboards (e.g., CO2 emissions), new documents (e.g., Operators Manuals) and new Parts & Service features

### **Example: Mixed Fleet Solutions**



In the real world, our end-customers have a mixed fleet of equipment from different manufacturers.

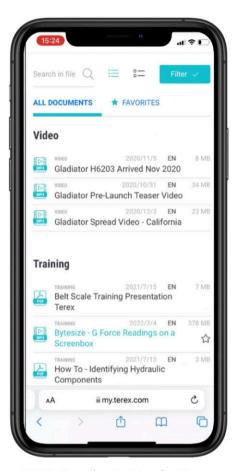


We plan to select and partner with established mixed fleet mgmt. solution vendors, to:

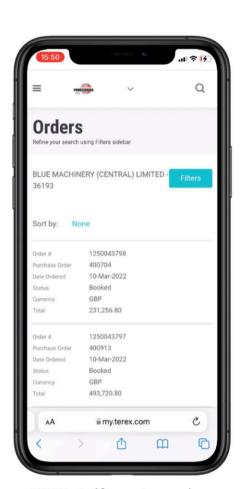
- Connect seamlessly our machine data into these white-labelled solutions
- Have a preferential and easier access for our end-customers
- Integrate these solutions with our (existing and future) Terex solutions such as online operator manuals, parts catalogues, eCommerce, Service Calculator, CPQ.. to drive better customer experience and grow our business opportunities for us and our dealers

### **Example: Dealer Portal**

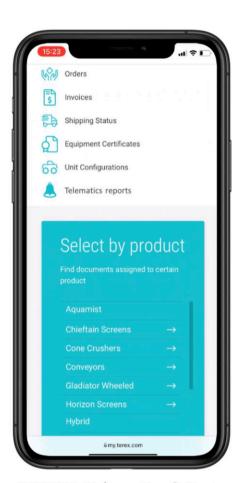




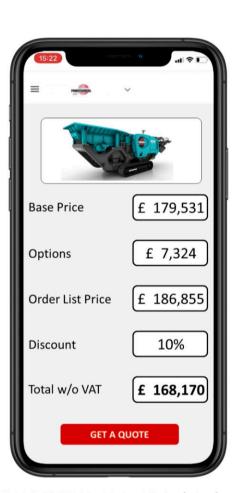
**LIVE**. Product, Marketing, Training material access



**TEST**. Self-service order, shipment, invoice reports



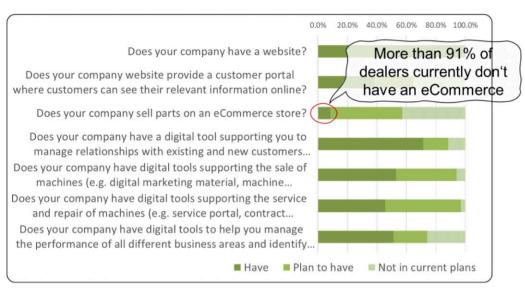
**DESIGN**. Telematics & Parts Dashboard

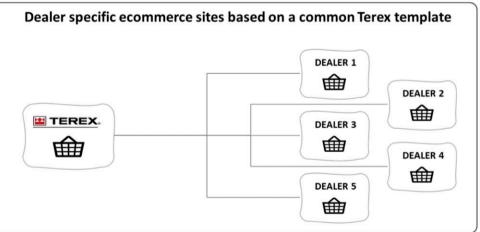


**DISCOVERY**. CPQ, Digital Order Forms, TCO & Service Calculator

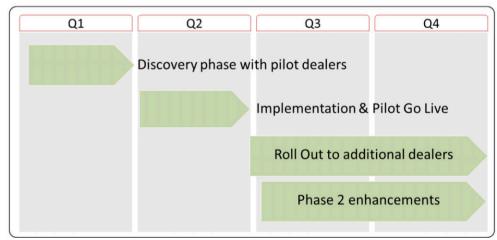
### **Example: Dealer e-Commerce**











### **Example: Dealer e-Commerce**



**Materials Processing** 



Dealer Branded



Multi OEM



Robust Parts Search



Intuitive & Easy to use



Order & Invoice Enquiry



CDI & DMS Integrated



Fully Mobile



#### **Example: Connected Dealer Inventory**



**Materials Processing** 



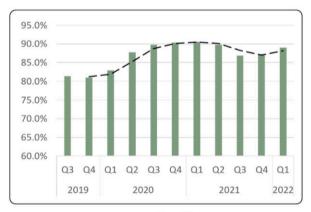
**Automatic Parts Inventory Planning & Replenishment** 



**DMS / TMS integration** 



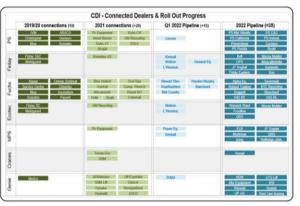
**Dealer Parts Finder** 



**Retail Fill** 



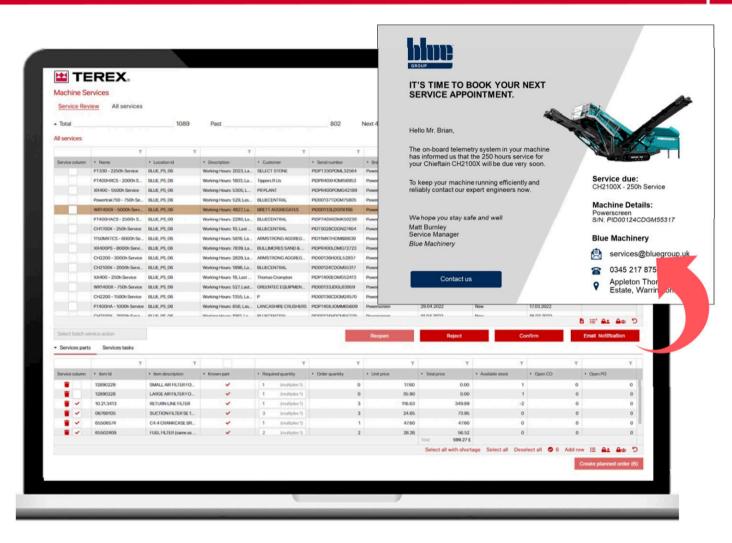
**Telematics** based **Service Management** 



**Roll Out** 

### **Example: CDI - Machine Service**





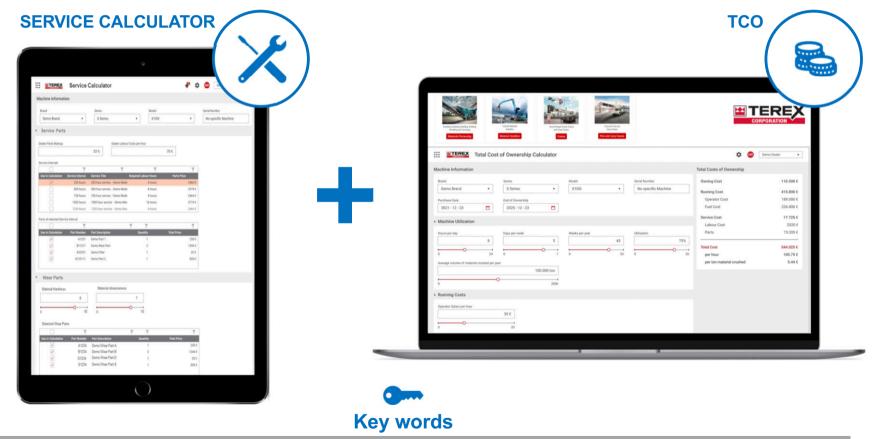
#### **Terex CDI Machine Services Module**

- Provides an overview of machine usage to dealer
- Facilitates Service Planning by monitoring upcoming services and service parts availabilities at the dealer
- Enables dealer to build custom "Service Due Notifications" and send them to their customer base
- Leverages existing Dealer and Terex integrations
  - Terex Telematics, Pricing, and Stock Data
  - Dealer Stock Data
  - Order Integration to Terex and Dealer

#### **Example: Service Calculator & TCO**



By EoY, we plan to implement an online tool for Terex, dealers & end-customers to calculate (and edit as needed) their total service requirements (parts & labor) for Terex machines as well as an online calculator of the total cost of ownership of Terex machines over time, including all costs elements such as fuel consumption, service, amortization, travel, etc.



DEALER / CUSTOMER FACING - WEB - MOBILE - TMS INTEGRATED - MULTI BRAND - USER CONFIGURABLE - EXPORTABLE - SSO ENABLED - SCALABLE - SECURE - EASY TO USE

#### Wrap Up



- Customers expect more and more to be able to run their business and their transactions with us in a faster and easier way
- Digital Solutions are becoming a fundamental competitive advantage
- Digital Transformation is absolutely critical to grow our business sustainably, deliver best customer experience and stay ahead of competition
- OEMs will achieve hardly any benefit from Digital Transformation if their distribution partners do not transform digitally as well
- Terex is investing extensively into new Digital Solutions for Dealers and Customers
- We partner with solution & implementation vendors and co-invest with our dealers to achieve our common ultimate objectives of delivering best-inclass customer experience, maximizing our and our dealers' profitability