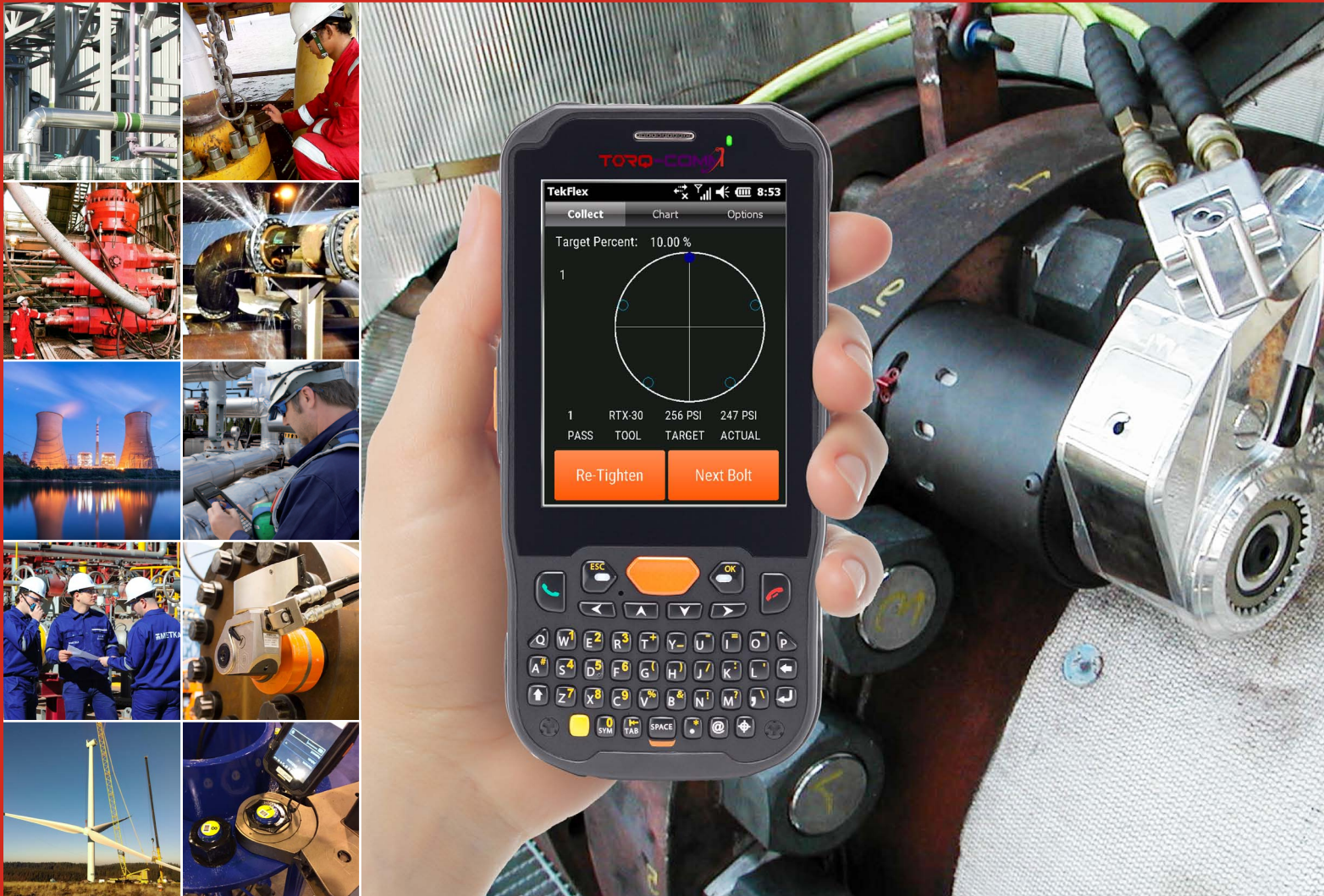
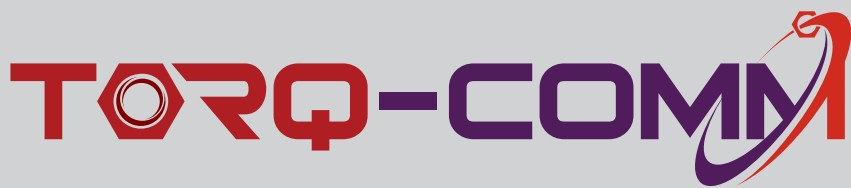


Revolutionary Industrial Bolting Data Collection Technology



*Without Data . . .
It's Just an Opinion*



"My client insisted upon real time electronic data gathering during bolting operations. Torq-Comm provided exactly what I needed in double quick time and now I have a happy customer and more work than ever before! "

Aaron V.—DARK Energy Solutions Inc.

The innovative Commander process control systems from Torq-Comm consist of four models of rugged, industrial strength, handheld PC's specifically designed for use in industrial bolting applications. The XT1000 series is designed for process control and data collection. The XT2000 series includes this while remotely controlling the pressure adjustments on the pump. Due to the explosive environments often found in such applications, the XT1000/2000 EXP units are safety compliant, meeting the requirements of the ATEX directive.

As more and more customers insist upon full traceability for every bolted joint on each of their assets, it is becoming increasingly more important to have reliable hardware and software solutions to gather, store, and process appropriate data.

With three modes of job creation, depending upon operator experience, work instructions in the palm of their hand, and the ability to remotely and wirelessly (Wi-Fi, Bluetooth, 3G/4G) set and reset the pressure level from up to forty feet away in as little as five seconds, this patented product is revolutionizing the industrial bolting market.

The real time, cloud-based data storage allows a supervisor in London to monitor a bolting operation in Dubai, as it happens, on his computer. The QR/bar code, RFID scanner and high-resolution camera allows every stage of the process to be recorded quickly, efficiently and error free.



Commander XT1000 (Collect)

- › Rugged IP65 Handheld (Class 1 Div 2 or Class 1 Div 1 models)
- › Real time data collection
- › Unlimited, user-defined traceability parameters
- › User defined bolt pattern management per ASME PCC-1 2013
- › Password enabled roles and privileges
- › Out of tolerance alerts
- › Non-editable data (what you see is what you get)
- › Ability to change tools from bolt to bolt or from pass to pass
- › Supervisor required overrides option for non-conforming data
- › Management notifications by email or text
- › Adaptable to ANY hydraulic pump (AC or air) using ANY hydraulic torque wrench



Commander XT2000 (Collect & Control)

- › All capabilities of the XT1000
- › Wirelessly controls any pump from up to 40 feet away in as few as 5 seconds
- › Precision control of the pump without violating the manufacturer's warranty
- › Connectivity via 2.4 GHz Bluetooth
- › AC and/or battery-operated Control Module with 3 week life
- › Indicator lights on Control Module to show battery status
- › Digital Pressure Gauge accuracy to .05% vs. 2-3% with standard Analog Gauge
- › Removes the possibility of over or under torquing
- › Saves time in constant pump adjustments



Tohnichi Torque Wrenches

- › Tohnichi CEM-BTA digital torque wrench with Torque & Angle monitoring
- › Angle monitoring at the peak tightening torque or measured torque value
- › Up to 850 Nm or 620 lbf
- › Judgement function by Torque and Angle
- › Torque Value and Angle Data are transferred by Bluetooth
- › Wireless duplex communication sends Hi/Lo limit torque and angle settings to the wrench then sends the collected data back to Commander XT



ATEX Certified Products

- › The world's first ATEX/IECEx Zone 1 and NEC Class 1, Division 1 certified PDA with wide-area network

Invisi-ware Cloud

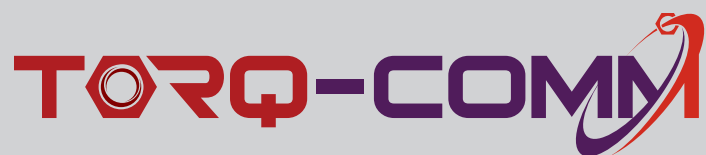
- › Cloud software which enables you to continue using the flange management software of your choice, by receiving data from your software and converting it into a format recognizable by the Commander. It then receives the assembly data back from the Commander and waits for your software to request it. All of this takes place in the background, allowing you to continue operations as you do today, while adding Commanders to the mix.

Exodys Cloud

- › Collected results can be pushed immediately to a cloud-based server
- › Global live viewing, analysis, and job creation for production control
- › Production, productivity and repair reports
- › PDF reports of all job related information
- › CSV export

TorqTag®

- › 28 or 56 clearly numbered discs
- › Magnetic or adhesive backing for reusable or permanent bolt identification
- › Greatly improves visual reference
- › Replaces chalk or pen marking flanges
- › Stack up to 3 colors for multiple passes
- › Barcoded for scanning and identifying each bolt
- › Commander XT halts operation if wrong Tag scanned per PCC-1
- › Avoids confusion and reduces the likelihood of leaks



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