LM

feel the difference

LM Dental Tracking System™

RFID INTELLIGENCE IN DENTAL CLINICS

TURNING DATA INTO EFFICIENCY, SAFETY AND SAVINGS

LM Dental Tracking System™

Spend more time taking care of patients and less time taking care of clinic management & administration.

LM Dental Tracking System™

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Introduction

- What is IoT?
- What is RFID?
- What is LM Dental Tracking System™?

Components of the LM DTS™

- RFID tagged items
- LM DTS™ Readers
- Cloud Server database

Needs and Benefits

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What is IoT?

Internet of Things is when objects are provided with unique identifiers and the ability to transfer data over a network. A thing can be a person with a heart monitor implant or now a dental instrument with a RFID chip.

Internet of Things goes dental

IoT in dentistry enables gathering and analyzing Big Data for constant improvement of processes, workflows and cost efficiency.

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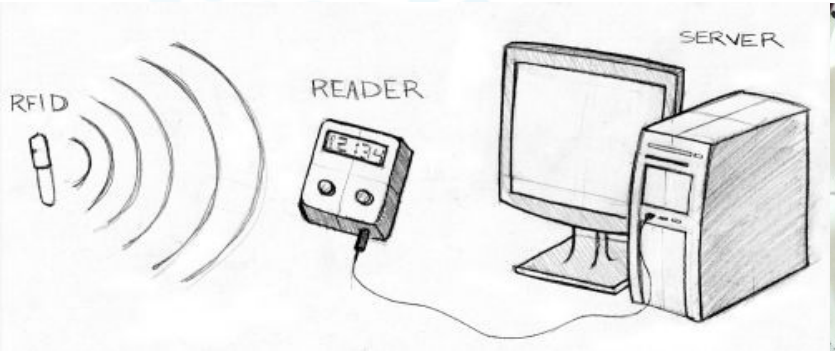
What is RFID?

- Radio Frequency Identification
- Used by major industries
  - Manufacturing and retail: shipment, inventory, preventing thefts
  - Air traffic: baggage tracking
  - Sports: time/distance tracking
  - Healthcare: equipment tracking



LM Dental Tracking System™

What is LM Dental Tracking System™?

The LM Dental Tracking System™ (DTS) is the first commercially available system in the dental industry to efficiently track and monitor dental instruments and materials using RFID technology. Instruments, hand pieces, filling materials, implants etc. from different manufacturers are wirelessly read in few seconds.

Automating traceability, logistics and infection control documentation allows staff to work more efficiently and focus on the patient.

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RFID tagged products

The LM-ErgoSense hand instruments and other dental materials with RFID identification tags can be scanned with LM DTS™ readers for reliable tracking through their entire life cycle - from storage and maintenance to clinical and patient care.

LM DTS™ Readers

The LM DTS™ readers (either multi-read or single-read) can be placed in any environment. They notify users of errors, such as the use of unsterilized instruments or expired material.

LM DTS™ Cloud Server database

The LM DTS™ server is used to record, track and verify the cycles of activities done to tagged materials.

Analysis: The software provides easy analytical reports about the items and activity cycles registered in the system.

Action: The information in the reports can improve and ease asset management and documentation, and most importantly increase cost efficiency and patient safety.

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EXAMPLE: CSSD Recycling Utilization

Ensure that correct procedures are being followed

Item level documentation of process steps automatically

Bottleneck analysis – constant process improvement

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Video demo for using LM DTS™

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LM DTS™ Reader solutions

LM DTS™ Tray Reader

LM DTS™ Unit Readers

LM DTS™ Cabinet solutions

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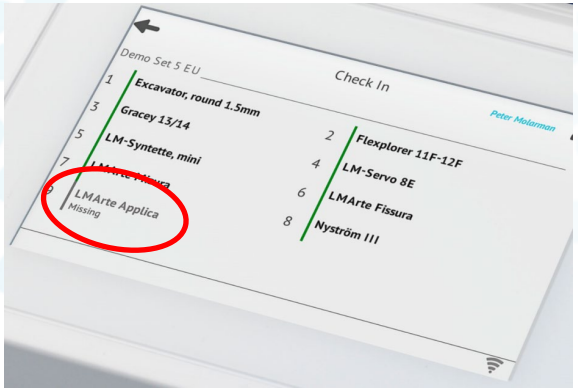
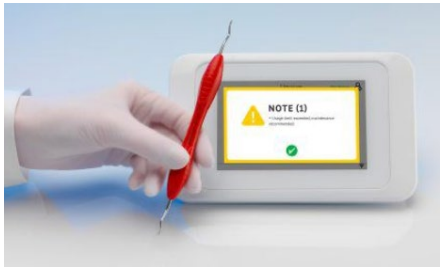
LM DTS™ Readers notify users of errors, such as

- Instrument missing from the set
- Infection control
- Expired item (consumables and sterile instruments)
- Sharpening and maintenance reminders





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Continuous improvement

PATIENT SAFETY DOCUMENTATION

- Sterilized instruments
- Material traceability
- Expiry dates
- Reduce risk

COST REDUCTION

- Automatic controls
- Decrease stock
- Improve material flow
- Optimize processes & logistics

ASSET MANAGEMENT

- Daily clinic management
- Budgeting & long term planning
- Locate missing items

EDUCATION SUPPORT

- Validate competences in simulation exercises
- Feedback to students
- Documented exercises

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Continuous improvement

Patient Safety

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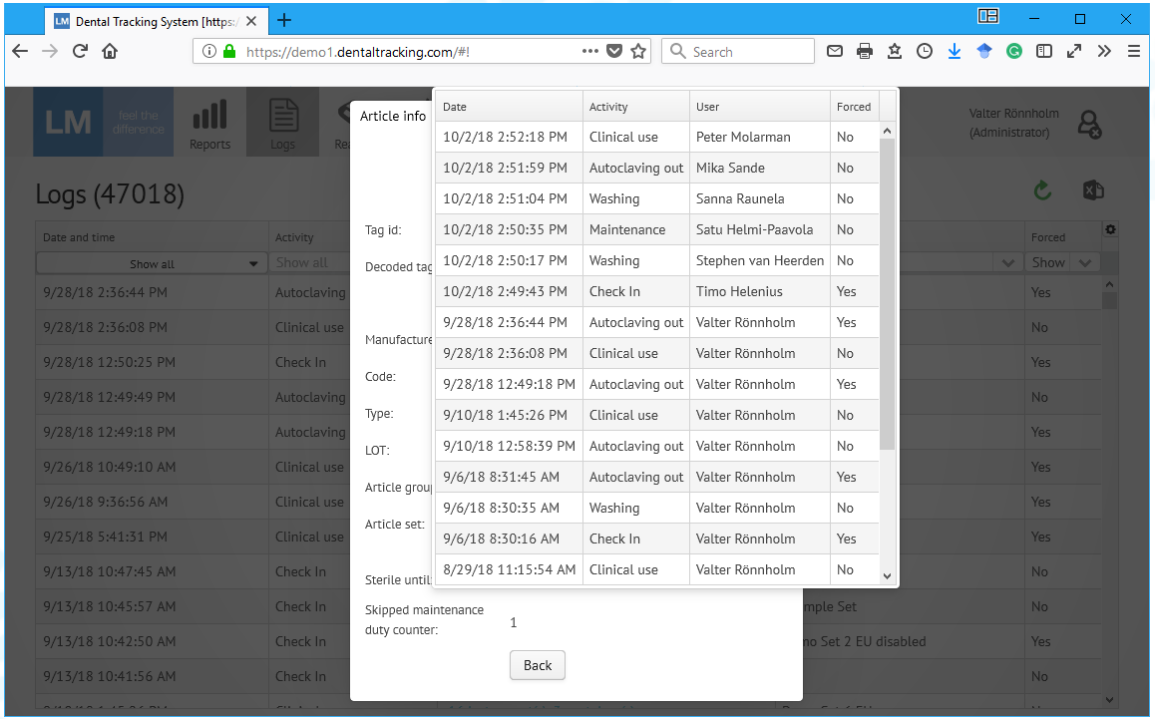
Continuous improvement

Infection
Control
Documentation



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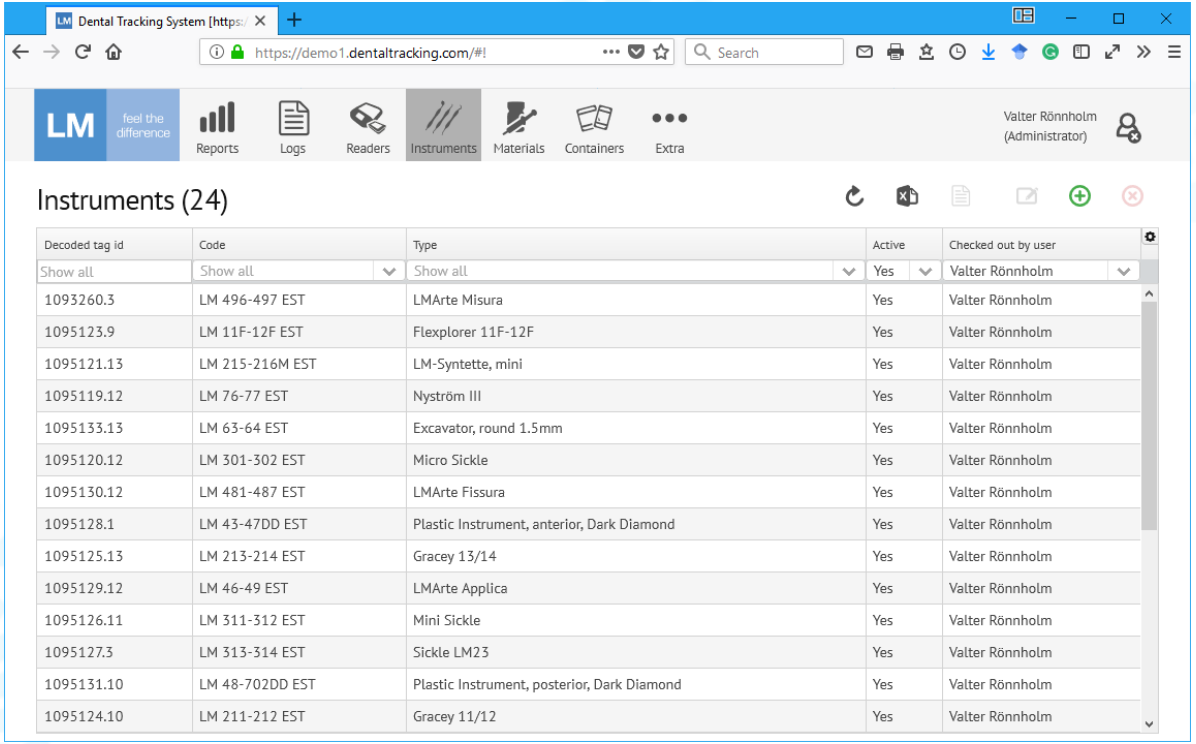
Continuous improvement

Asset Management



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1095123.9	LM 11F-12F EST	Flexplorer 11F-12F	Yes	Valter Rönnholm
1095121.13	LM 215-216M EST	LM-Syntette, mini	Yes	Valter Rönnholm
1095119.12	LM 76-77 EST	Nyström III	Yes	Valter Rönnholm
1095133.13	LM 63-64 EST	Excavator, round 1.5mm	Yes	Valter Rönnholm
1095120.12	LM 301-302 EST	Micro Sickle	Yes	Valter Rönnholm
1095130.12	LM 481-487 EST	LMArte Fissura	Yes	Valter Rönnholm
1095128.1	LM 43-47DD EST	Plastic Instrument, anterior, Dark Diamond	Yes	Valter Rönnholm
1095125.13	LM 213-214 EST	Gracey 13/14	Yes	Valter Rönnholm
1095129.12	LM 46-49 EST	LMArte Applica	Yes	Valter Rönnholm
1095126.11	LM 311-312 EST	Mini Sickle	Yes	Valter Rönnholm
1095127.3	LM 313-314 EST	Sickle LM23	Yes	Valter Rönnholm
1095131.10	LM 48-702DD EST	Plastic Instrument, posterior, Dark Diamond	Yes	Valter Rönnholm
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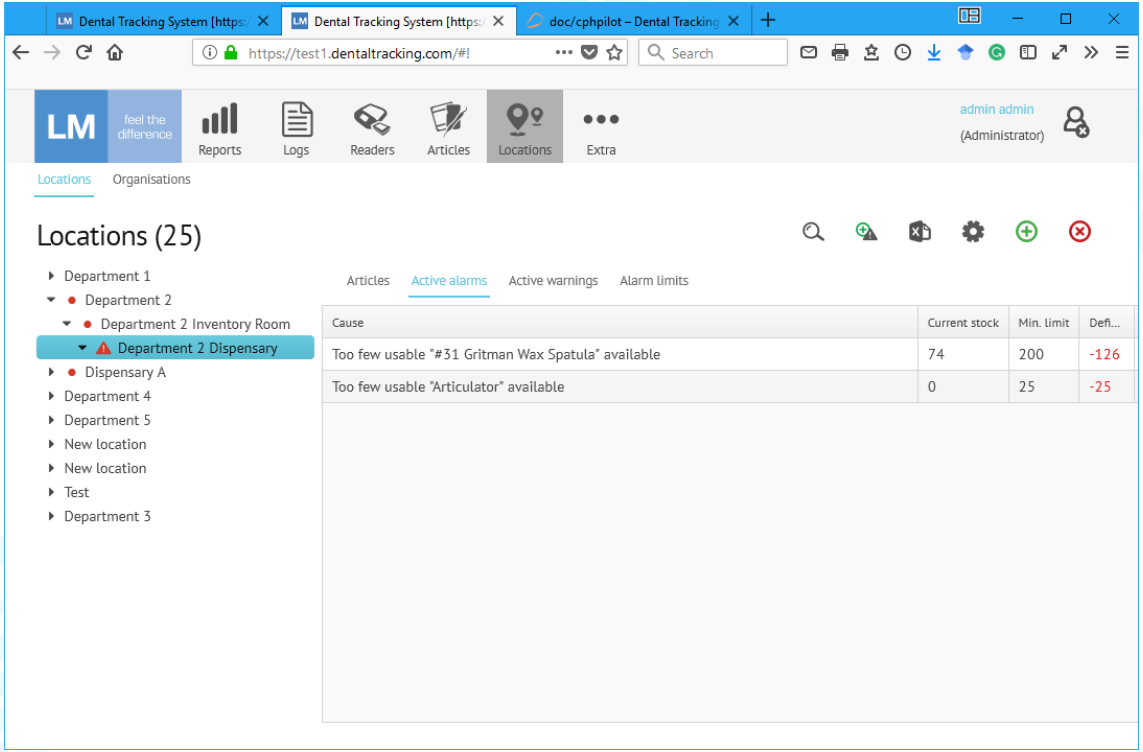
Clinic Management



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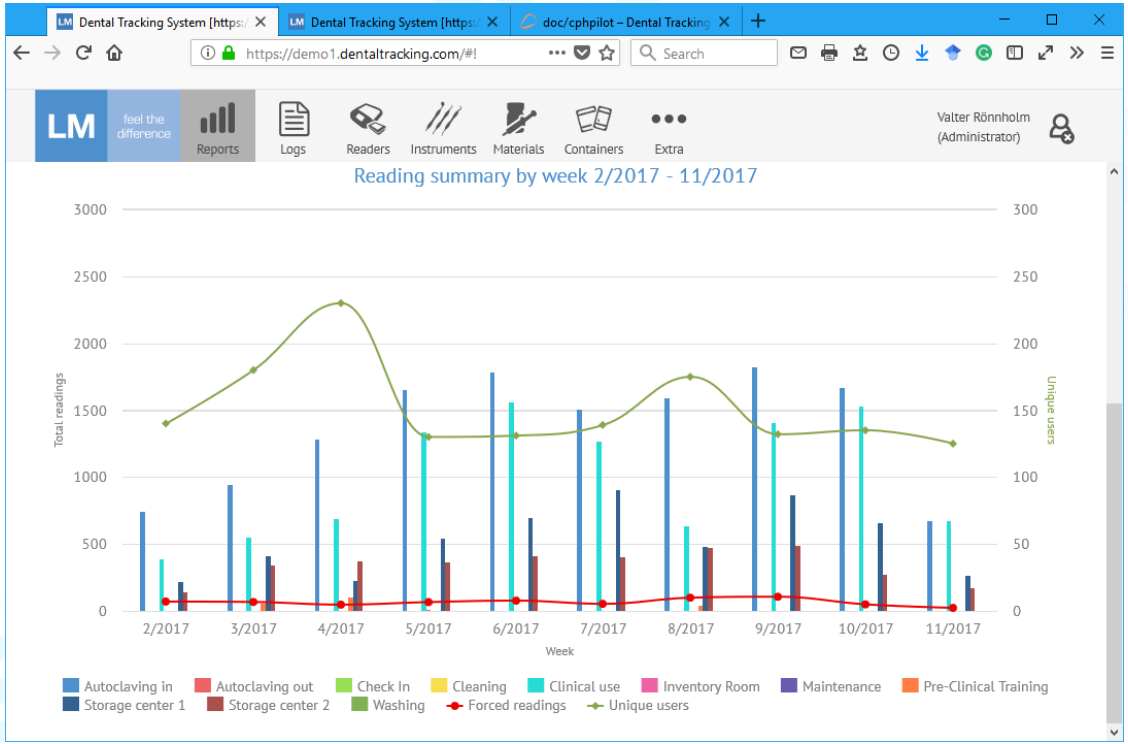
Process
Optimization
&
Cost Reduction



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Continuous improvement

Education
Support

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Knowing is efficiency, safety and savings

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www.dentaltracking.com

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