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LM feel the difference

LM Dental Tracking System™

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



"With the new traceability system, we have the needed data to improve our daily operations, support education, improve long term planning and budgeting, and obtain big data that can be used for analysis and research purposes."

Bo Danielsen,
Head of the School of Oral Health Care, University of Copenhagen

100 hours SAVED PER YEAR for the sterilization of 250 000 instruments yearly by reducing the time needed for manual checking of instruments.
This is equivalent of

3 SAVED PERSON-WEEKS.

Several hours SAVED PER WEEK by each staff member for there's no more misplaced instruments.

10% REDUCTION OF INVENTORY COSTS with just-in-time processes for instrument maintenance.

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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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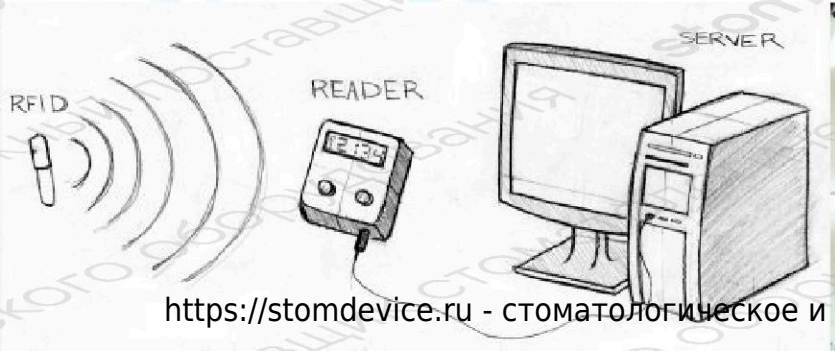
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What is RFID?

- 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







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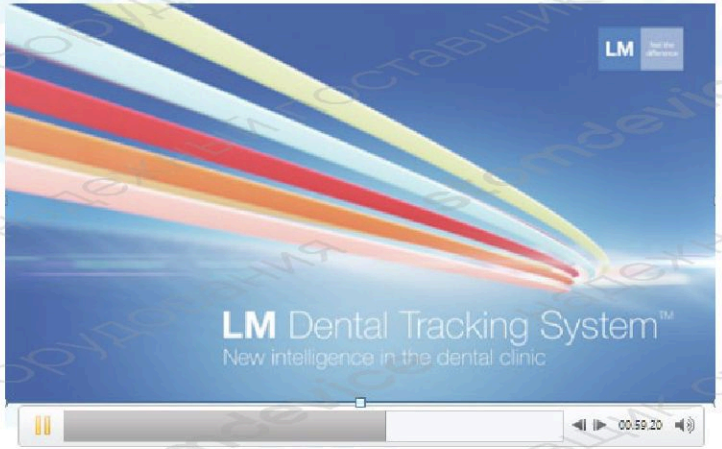
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LM Dental Tracking System™

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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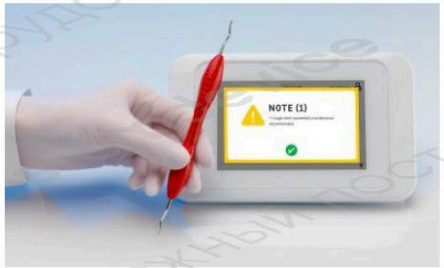
LM DTS™ Readers notify users of errors, such as

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









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Continuous improvement

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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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Patient Safety



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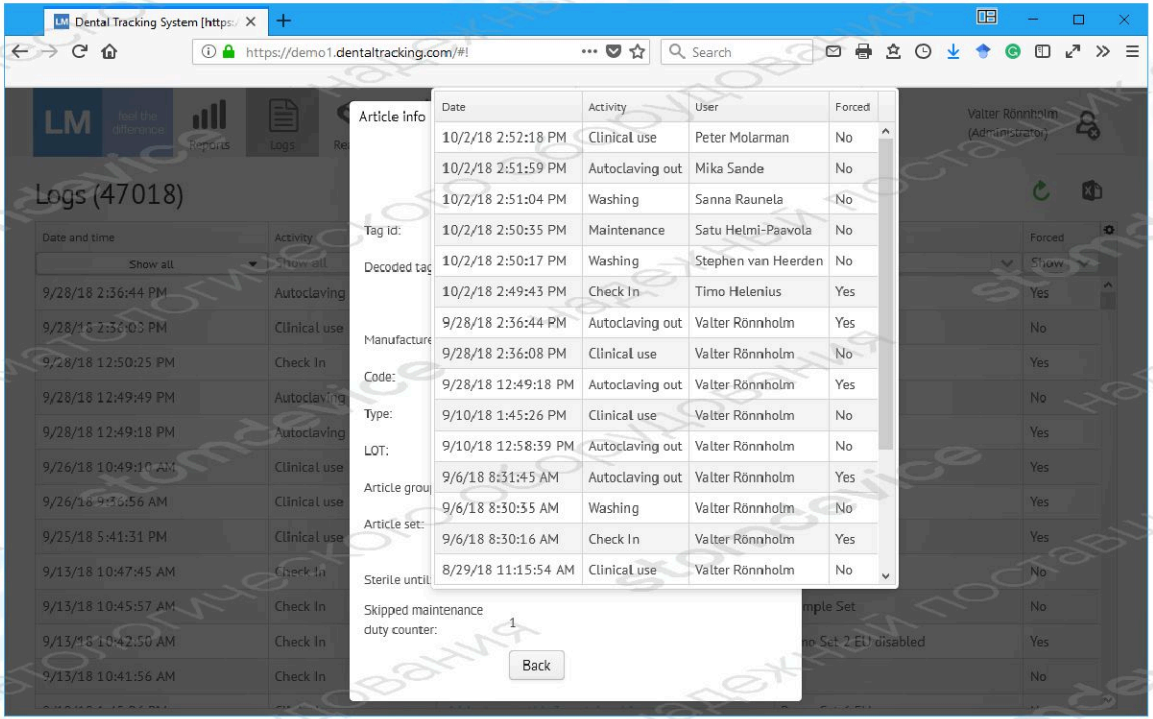
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Infection
Control
Documentation



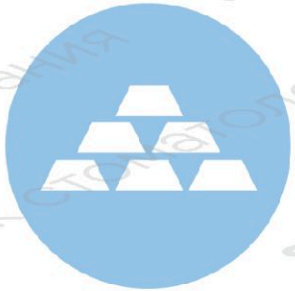
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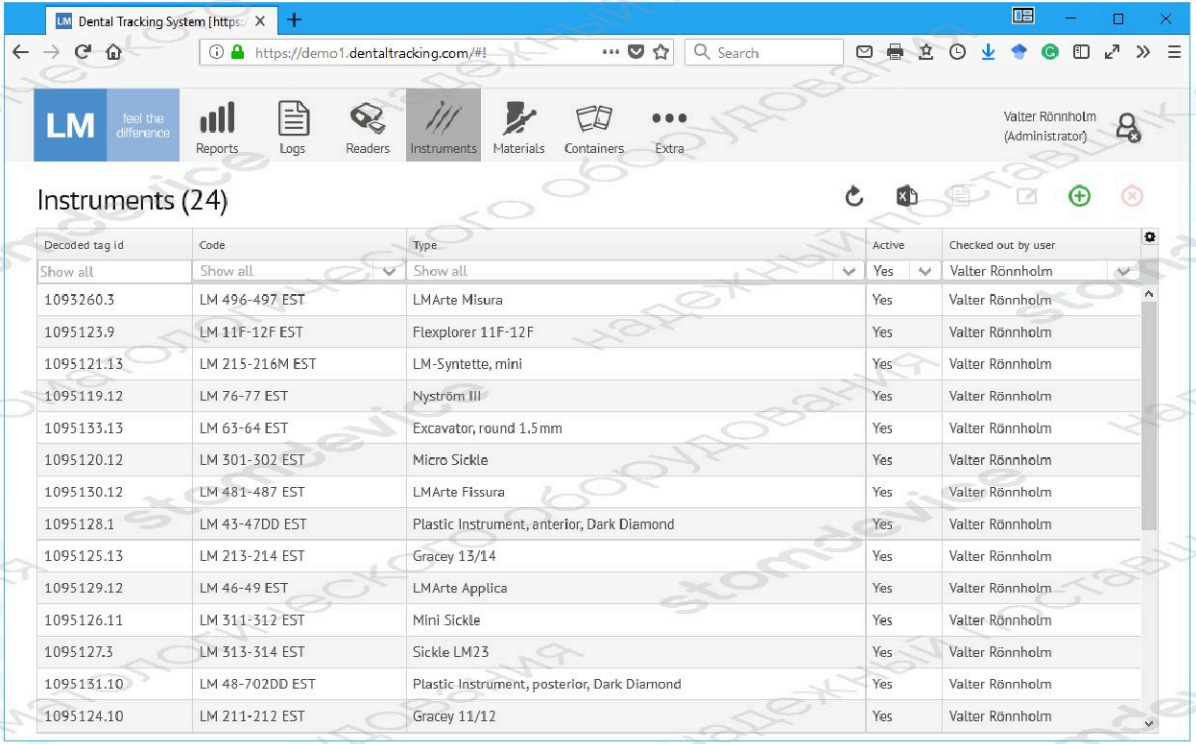
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Asset Management



Decoded tag id	Code	Type	Active	Checked out by user
Show all	Show all	Show all	Yes	Valter Rönnholm
1093260.3	LM 496-497 EST	LMArte Misura	Yes	Valter Rönnholm
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
1095124.10	LM 211-212 EST	Gracey 11/12	Yes	Valter Rönnholm

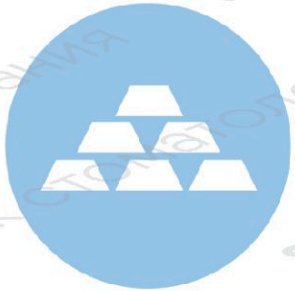
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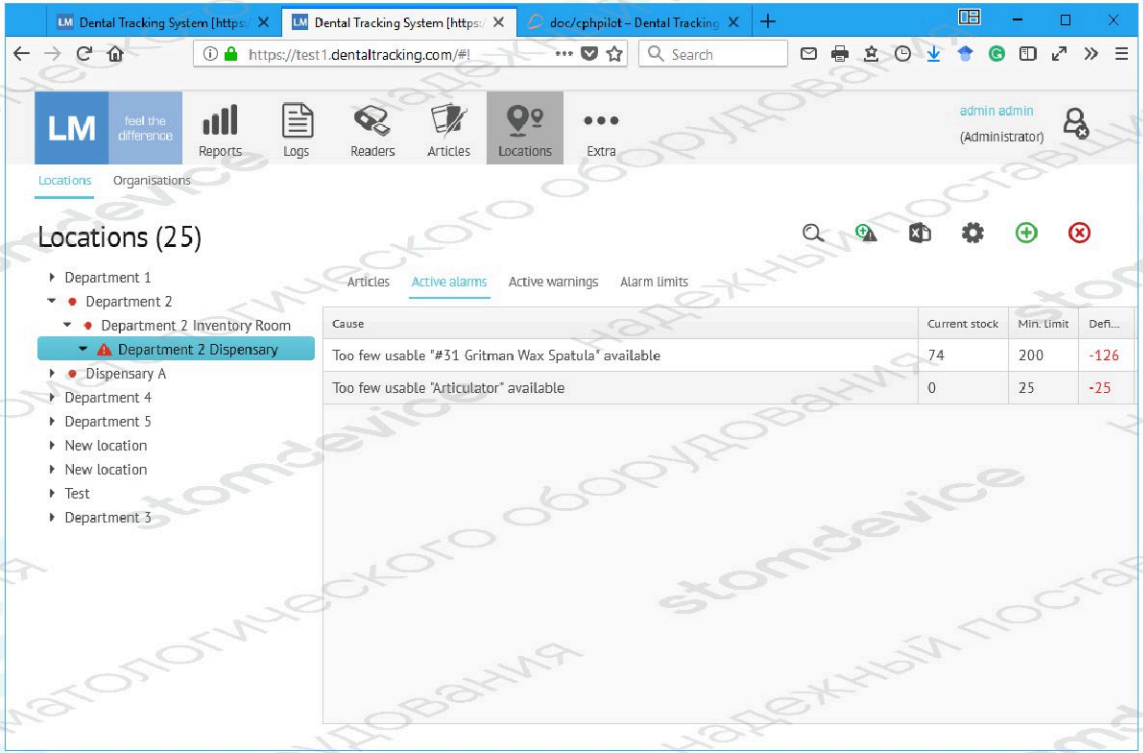
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Clinic Management



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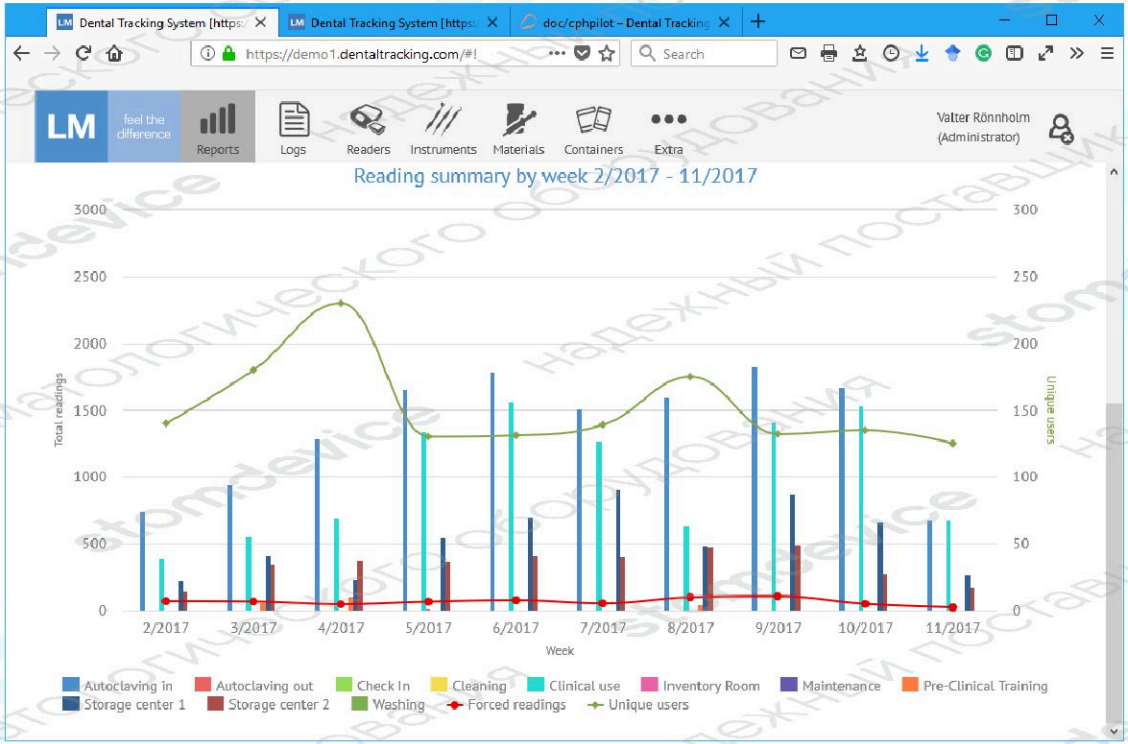
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Process
Optimization
&
Cost Reduction



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Education
Support



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Knowing is efficiency, safety and savings

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www.dentaltracking.com

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