

Application Sample: Inventory for cars and vehicles A white paper about a special kind of mobile data collection



Mission:

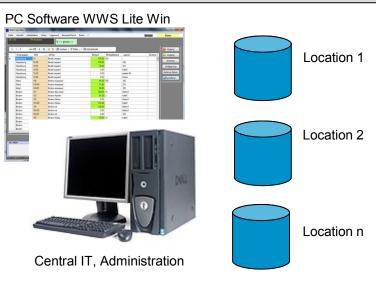
- Inventory, data collection and administration of mobile equipement, located at several stations in decentral use, white paper based on cars and movable goods
- Describes mobile data collection at local / decentral place
- Shows data transfer and data processing with central IT
- Target: get information about current assets at every location place
- Optionally with our stock and inventory system AE WWS Lite Win a PC software for inventory and administration

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Pictures show samples. Technical information without warranty.

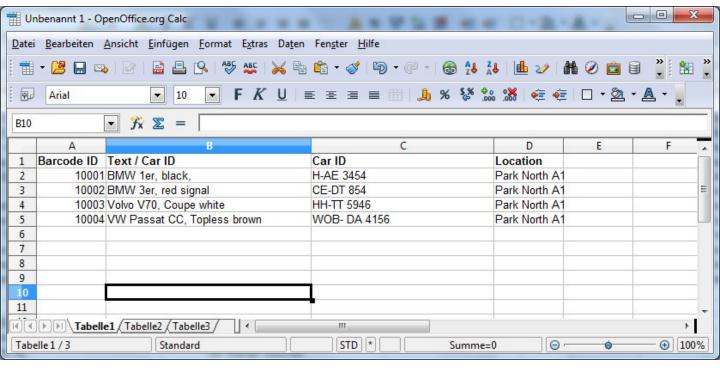


Step 1 [central IT]: Create and Export Inventory Host files for every location



- Inventory HOST file for every location
- Contains relevant information about stored stuff at location, e.g. cars / vehicles
- Exported file by central adminstration IT
- Mobile data terminal MDT uses inventory HOST file during manual input process (relevant information are shown inside the display)
- FTP Upload Inventory HOST file in MDT System
- Standard data format XLS / CSV, delimiter;

Inventory HOST File for every location, sample

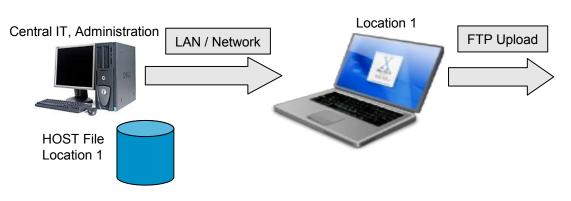


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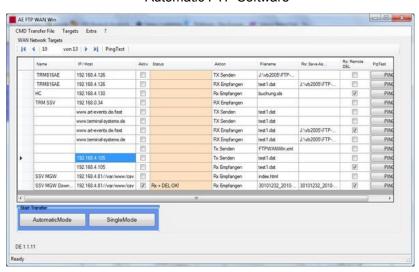


Step 2 [Location x]: FTP Upload Inventory Host File





Automatic FTP Software



- Inside location: data access via LAN / Network to inventory HOST file for current location
- FTP upload inventory HOST file into mobile data terminal MDT system
- Software FTP upload, e.g. AE FTP COMM Box for automatic / userless data transfer between Windows PC and MDT system

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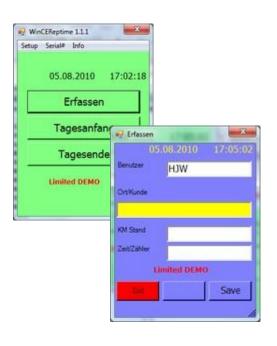
Step 3 [Location x]: Mobile Data Collection with MDT System



AE SYSTEME 020001

Roughed barcode labels





Mobile data collection with MDT system

- Input / selection current location
- Barcode scann ident code, e.g. car ID no
- Display information from inventory HOST file: currenty typ and KFZ sign
- User enters with OK button if shown data correct

Data save: Input data with barcode ID + location + date / timestamp

Data format XLS / CSV, delimter;

Programming work ToDo:

- Data collection software for MDT system
- Combination from existing WinCeMobileData software + some additionyl fields

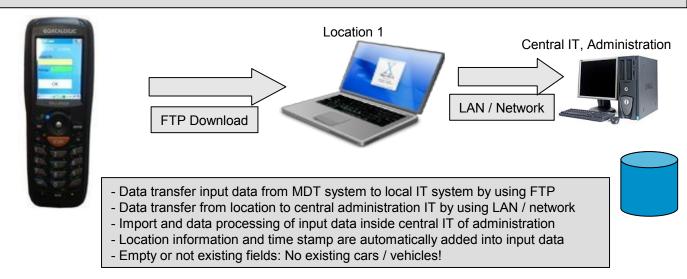
Software Note: for security reasons it is not possible to scroll inside inventory HOST file!

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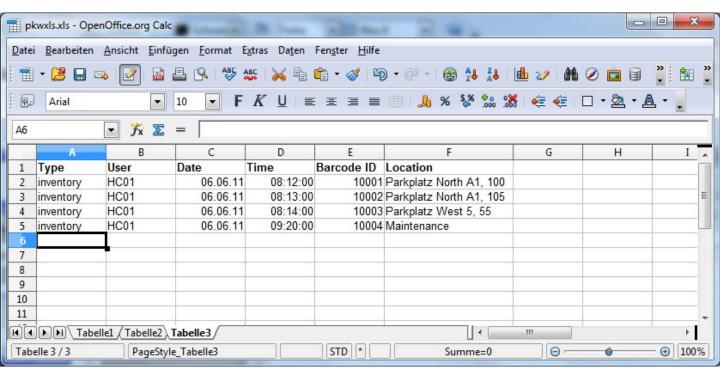
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Step 4: Data Transfer of Input Data, File data.XLS



Input data for location, sample:



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Barcode Labels - For roughed and outdoor use

- For using nearly everywhere
- · For rough conditions
- · Secure and safe
- · Individual formats possible
- Easy fixing
- · Individual logos and designs
- For long time use



Material: PU Acrylatfolie, elektronenstrahlvernetzt.

Kleber: Acrylatkleber, permanent klebend,

Abmessungen (Standard): 40x15mm o. nach Anforderung

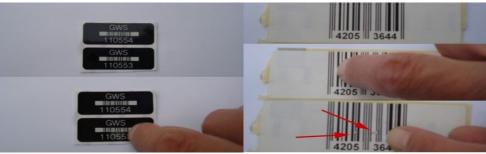
Farbe: schwarzer Grund, weiße Schrift/Barcode, Logoplatzierung

Barcode labes for nearly every. Even at cars or vehicles, in dust or dirt or whereever you need clear identfications: roughed barcode

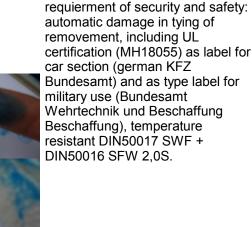
Special roughed labes also fullfills

labes in highest quality! See pictures at left side, see comparison between special roughed barcodes and normal

standard labels.



See different reaction of labels against mechanical use. Normal labels get damage against small scrapers and marks. Special roughed labes show no damage!





Colur damages can destry the readable function of normal standard barcode labes. No damages in special roughed labels!

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Deliverings

Pos 01: FTP Data Transfer Software for automatic / userless transfer

Software for MS Windows XP/Vista/7, 32/64bit. Available as DE or EN Language version.

Pos 02: Mobile Data Terminals MDT systems for mobile data collection

For mobile data collection at location. Including wireless LAN interface (WiFi) for fast transmission

Pos 03: Base Station MDT for accu recharging, optionally including LAN interface

Pos 04: Data Collection Software for MDT System

Version of existing MDT software WinCeMobileData with some individual changes. See here for description of the basic version: http://www.terminal-systems.de/english/wince-mobiledata1-en.htm

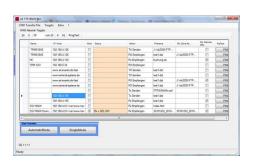
Pos 05: Roughed Barcode Labels

Pos 06 – Optionally: Inventory and warehousemanagment software for central PC

Stationary software for data processing and central administration of the collected data, e.g. our software package http://www.terminal-systems.de/english/wws-lite-win-en.htm

Customer Requierments:

- Seperatly inventory HOST files for every location
- PC system in every location with access to inventory HOST files
- WLAN / WiFI transmission between local PC and MDT system or:
- Network connection between local PC and MDT system via network base station
- Data processing software for process the input data of the MDT system







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We are offering the "specialized" computers, e.g. teminal systems, handhelds, industrial PC and more. We brings preconfigured applications and tools - and gives you the freedom to create and fullfill your own desired application. For solutions in production, in stock, at vehicles, at machines or whereever you need roughed and powerful technology in your conditions.

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Our company represents the wide knowledge of powerful embedded hard- and software engineering and offer optimized solutions for customer requirements of industrial IT systems regarded on MADE IN GERMANY facts. Some of our solutions are high specialized for german spoken markets - others are usable for worldwide applications. If you miss something, if you have a questions please feel free to contact our sales office for details. We will be glad to assist you inside your project!

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