

Innovation Story Workforce Management The all-in-one vehicle for service technician

Marco Juntorius

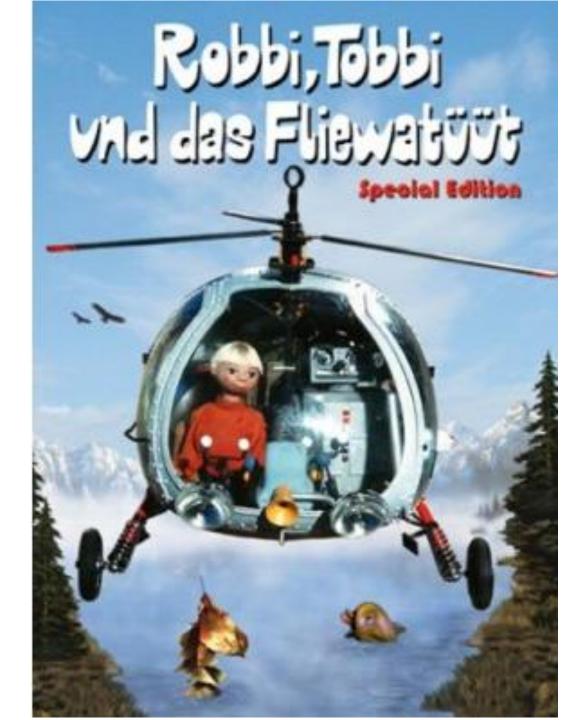
T··Systems·

REFERENT



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THE DAILY ROUTINE OF A SERVICE TECHNICIAN THE INTRODUCTION

processing of more than 100,000 orders per day

allways connected, offline capability

high secure

time tracking

automatic work report

robust



end2end responsibility

standard

up to date multiplatform electronic logbook optimized work processes innovative

warehouse managemet

dirty & bright enviroment

THE DAILY ROUTINE OF A SERVICE TECHNICIAN YESTERDAY: WORK ORDER



Start at company side



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get the work order

print the work order and start the journey

THE DAILY ROUTINE OF A SERVICE TECHNICIAN TODAY: WORK ORDER



Start at home



get the work order and start the journey

THE DAILY ROUTINE OF A SERVICE TECHNICIAN YESTERDAY: ROUTE PLANNING



seperate route planning



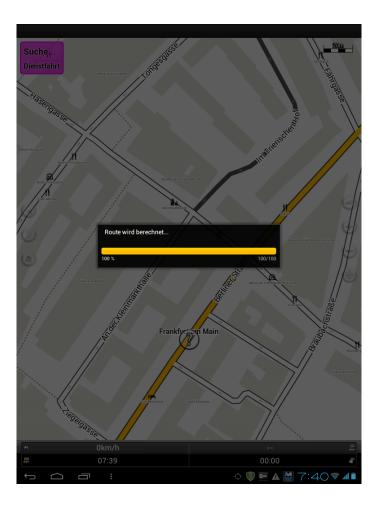
no flexible adaption caused by urgent issues possible



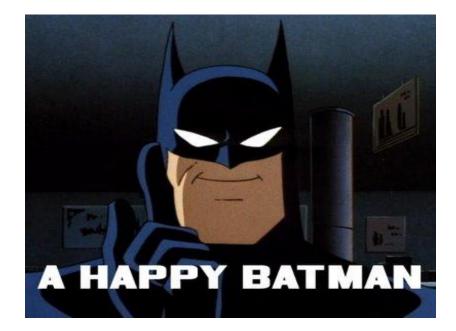
Attention, Deutsche Telekom Batman speaking

Caused by a storm, I urgently need a replacment of my damaged LTE submitter to protect Gotham City!

THE DAILY ROUTINE OF A SERVICE TECHNICIAN TODAY: ROUTE PLANNING



- Flexible route planning
- direct out of the work order
- including urgent issue integration



THE DAILY ROUTINE OF A SERVICE TECHNICIAN YESTERDAY: DRIVERS LOGBOOK

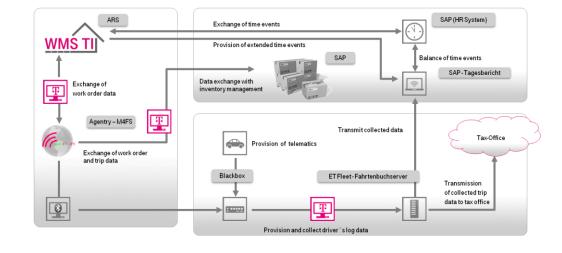


written and evaluated manually

THE DAILY ROUTINE OF A SERVICE TECHNICIAN TODAY: DRIVERS LOGBOOK

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filled automatically by integration into the backend systems



THE DAILY ROUTINE OF A SERVICE TECHNICIAN YESTERDAY: DAILY REPORT

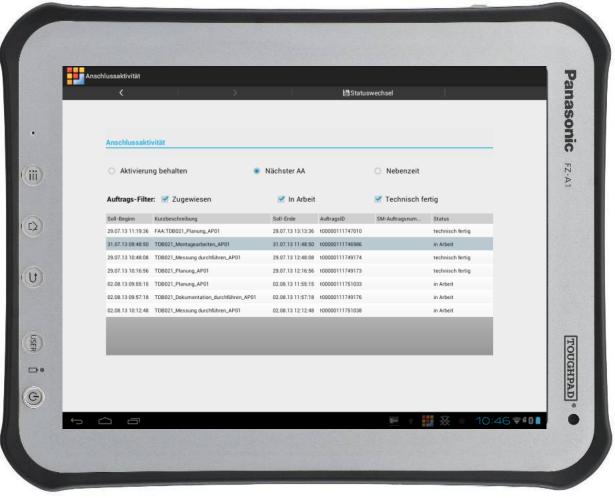
Name.		Week Beginn	Week Beginning (Date):				ager To Do
Day	Record of Activity	Intial Approaches	Presentations (10-15 per day)	Sales	Service Visits	Initial Approaches turning into Presentations	Presentation turning into Sales
Mon	HXIIQXIXISIIIQIIXQQXXIXIXI	30	12	4	1	40%	33%
Tue							
Wed							
Thu							
Fn							
	WEEKTOTAL	30	12	4	1	40%	33%
	DAILY AVERAGE (diedetatal by number of days worked)	30.0	120	4.0	1.0		

/= Initial Approach $\chi =$ Presentation $\chi \bigoplus Sale S =$ Service Visit

manually written

and manually typed into the system

THE DAILY ROUTINE OF A SERVICE TECHNICIAN TODAY: DAILY REPORT

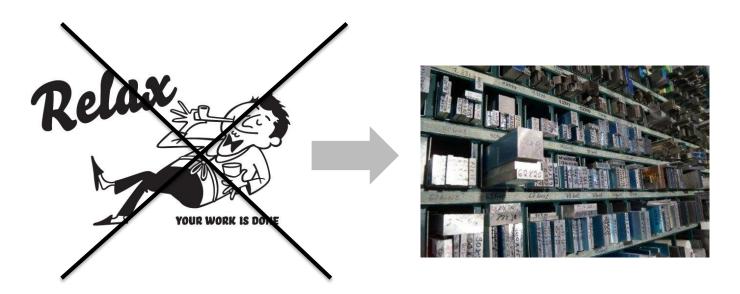


direct integrated into the system

THE DAILY ROUTINE OF A SERVICE TECHNICIAN PAPER: THE DINOSAUR THAT WON'T GO EXTINCT

- 4 from 5 IT and buisness professionals anticipate a need for paper-driven workflows for another decade (Harris Poll online survey, May 2014)
- paperless processes can reduce the time to respond to customers by 75%

THE DAILY ROUTINE OF A SERVICE TECHNICIAN YESTERDAY: INVENTORY MANAGEMENT



go back to the office and get the used material

THE DAILY ROUTINE OF A SERVICE TECHNICIAN TODAY: INVENTORY MANAGEMENT



used material will automatically be ordered



THE DAILY ROUTINE OF A SERVICE TECHNICIAN THE DELIVERY OF THE USED MATERIAL

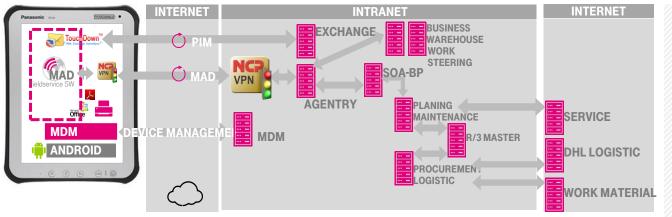




TODAY: PERFECT MOBILE INTEGRATION DISPATCHER AND FIELD SERVICE ALWAYS SYNCHRONIZED



THE DAILY ROUTINE OF A SERVICE TECHNICIAN THE SOLUTION AT A GLANCE



BUSINESS APPLICATION

- Mobile order processing
- Central warehouse
 management
- Integrated driver's logbook and navigation system
- Automated daily report
- Time posting

GENERAL INFORMATION

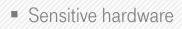
- Rugged hardware (IP65, MIL 810, etc.) for 2,000 users
- Certified VPN security solution for company access
- Enterprise Mobility Management Service from T-Systems
- Complete lifecycle management from a single source
- Use of SAP Syclo Agentry technology
- Paperless work process
- Integration of the entire workstation

WHAT ARE THE BENEFITS FOR THE CUSTOMER?

- Modern, innovative solutions for field service staff
- Optimization of maintenance process
- End-2-end solution from a single source
- Use of modern hardware and software, such as
 - LTE
 - Robust, modern tablets
 - SAP mobile middleware
- Improved field service effectiveness

THE DAILY ROUTINE OF A SERVICE TECHNICIAN PRODUCTIVITY COMPARISON

OLD SOLUTION



- More complex handling
- Paper-based orders
- Daily report, driver's log not automated
- Separate inventory management





Hobile printing



ENABLES

OBJECTIVE

- Focus on the user
- Map the entire daily routine
- Avoid media discontinuity
- Generate additional benefits

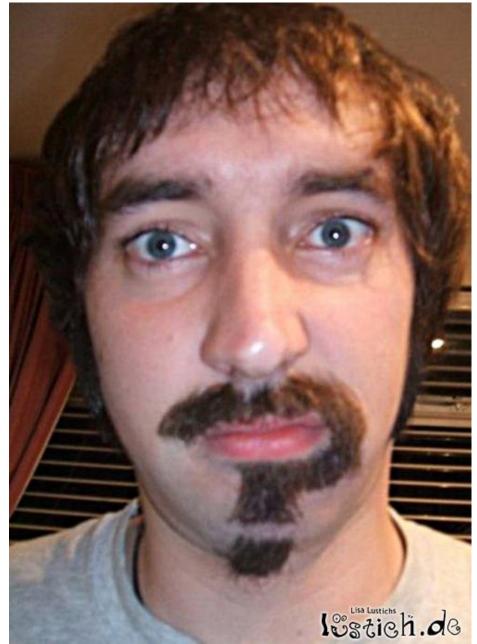




WITH 2,000 EMPLOYEES THIS MAKES OVER 28,000 DAYS A YEAR 28,000 DAYS A YEAR

THIS WOULD BE A SAVING UPTO € 15 MILLION PER YEAR!!

WHAT COMES NEXT?



INTEGRATION ON ANOTHER DEVICE



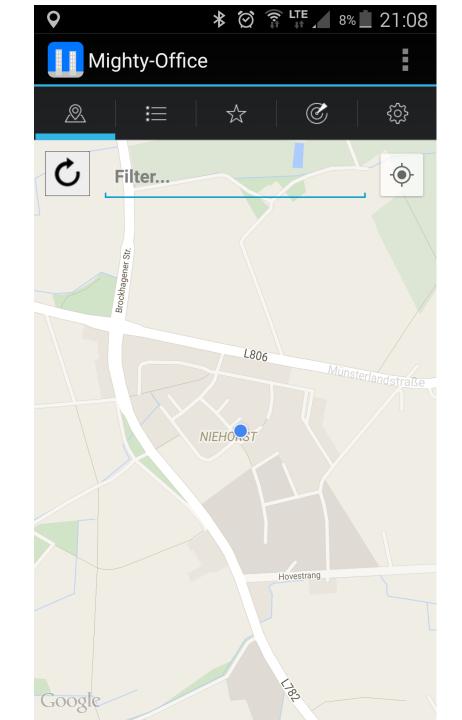
FURTHER EVELUTION



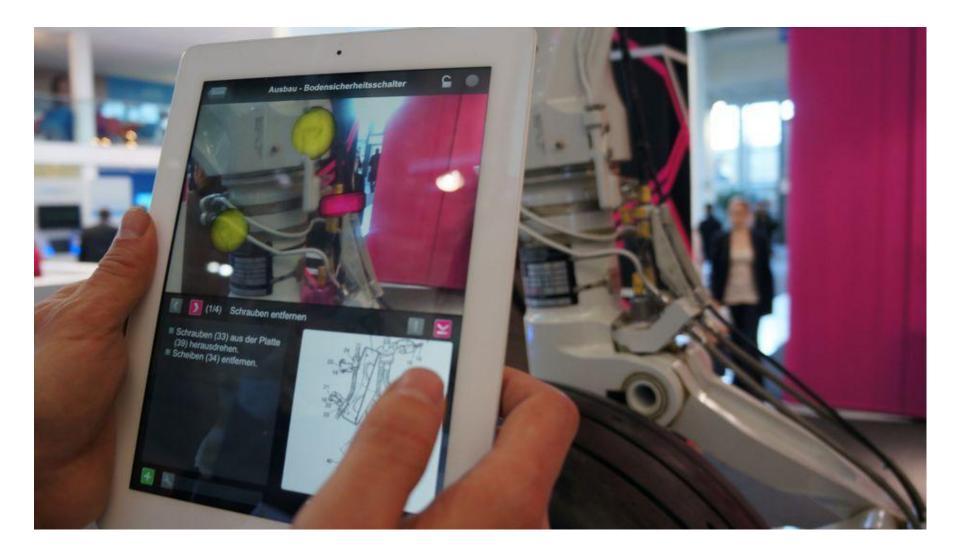
GEOSPATIAL VISULIZATION



Location of different types of cabinets, at the moment done by a 3rd party application, called Mighty-Office



AUGMENTED REALITY



SMARTWATCHES THE NEXT BIG THING?



SMARTWATCHES MOBILITY 4.0



Multi-Faktor-Authentifizierung per Apple Watch



SMARTWATCHES AN INNOVATION STORY

- Frank Schmidt is 42 years old and a skilled electrician
- He works as a maintenance technician for a large manufacturer of printers and is responsible for the Southern Bavarian area
- His tasks include
 - Regular maintenance of printers at customers' premises
 - Delivery and refill of consumables
 - Delivery of original spare parts
 - Troubleshooting of urgent technical problems
 - Delivery and setup of printer systems

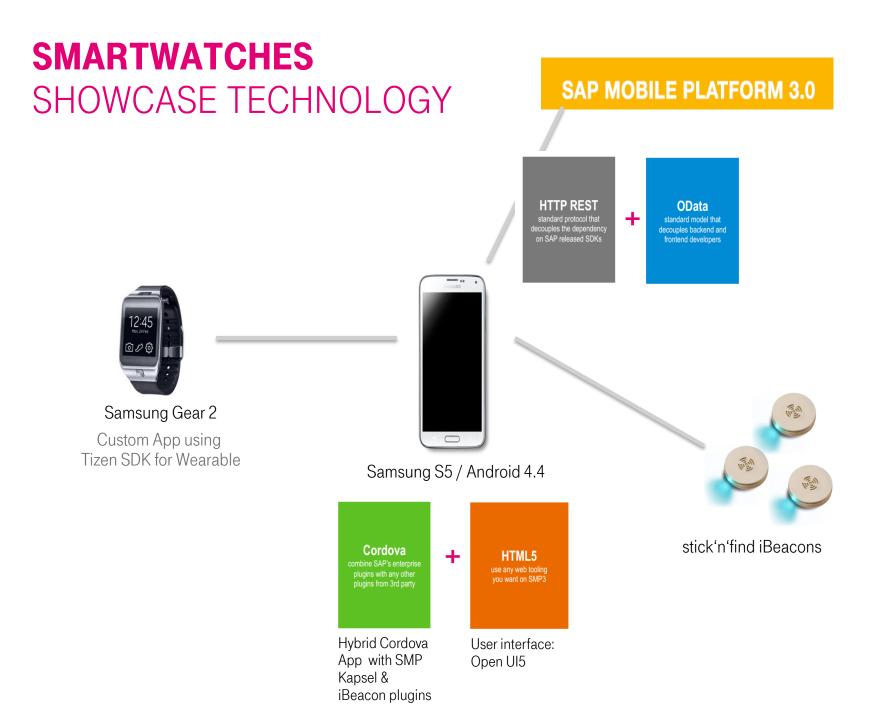


USE THE SMARTWATCH AS ANOTHER DISPLAY

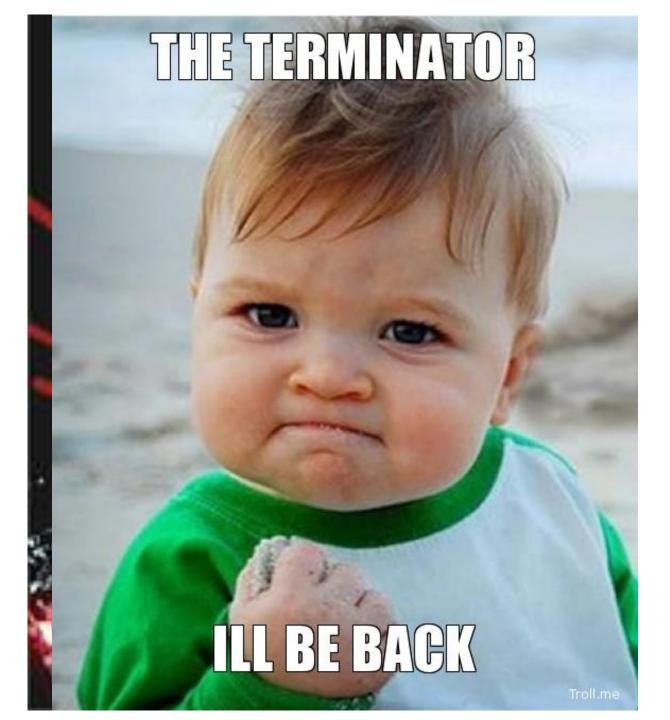




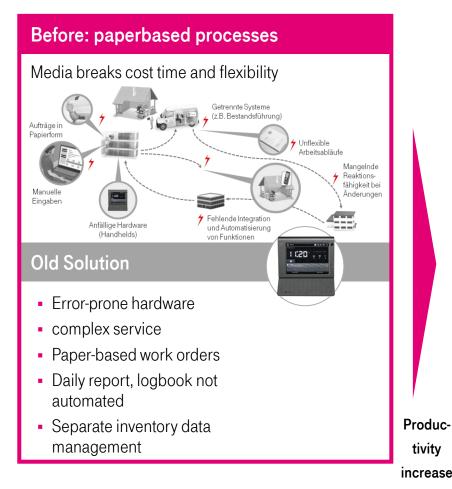


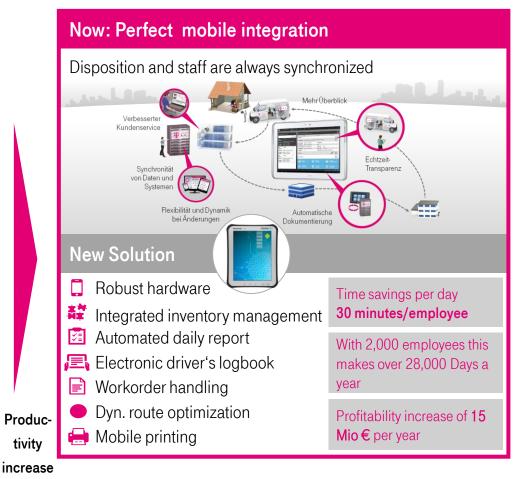






MOBILE WORKFORCE FROM YESTERDAY TO THE FUTURE





DENA THANK YOU! SERVICE