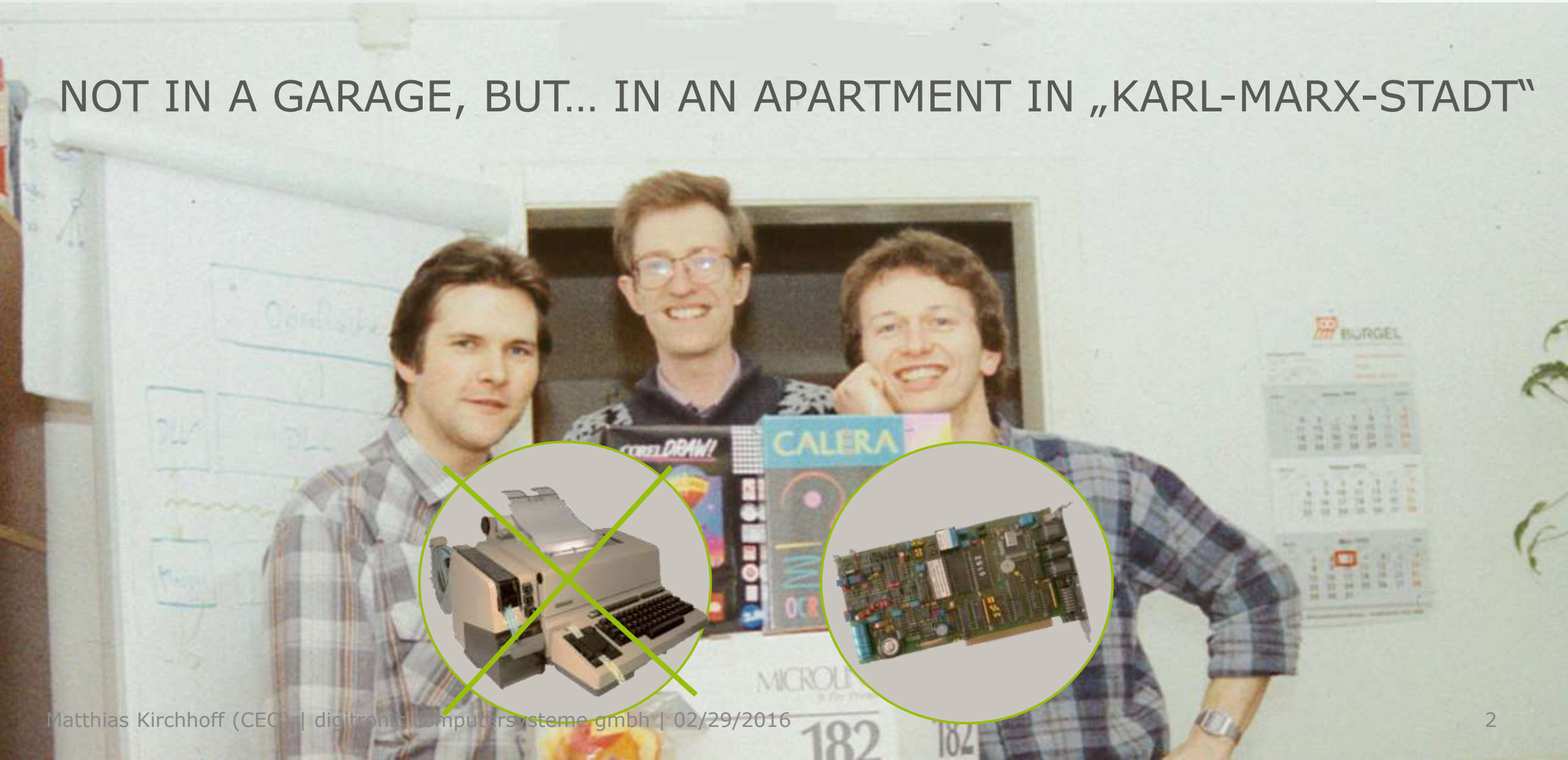




„SECURE USAGE OF MOBILE DEVICES IN A PRODUCTION ENVIRONMENT. MYCAPP™ AN UTOPIA?“

1990 FOUNDED IN EAST GERMANY

NOT IN A GARAGE, BUT... IN AN APARTMENT IN „KARL-MARX-STADT“



DEVELOPMENT OF COMMUNICATION & SECURITY SOFTWARE FOR:



GOVERNMENT



BANKING



INDUSTRY

OUR CORE BUSINESS TODAY

CUSTOMER PROJECTS AFFECTS RESEARCH & DEVELOPMENT



UM-SYSTEM 7.X



HICRYPT™ 2.0



SECURE LOGON

PREDICTED NUMBER OF SMARTPHONE & TABLET USERS WORLDWIDE UNTILL 2019



BYOD TRENDS

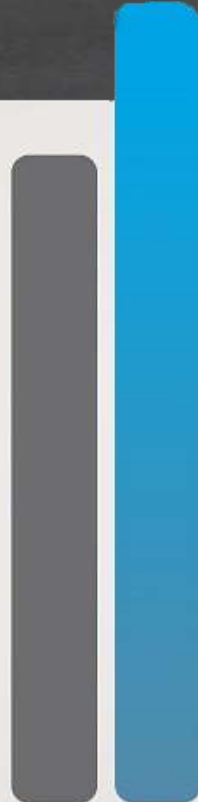
2013:

SMBs
SUPPORTING
BYOD
INCREASED BY

14%

■ 2012 - 59%

■ 2013 - 73%



2014:

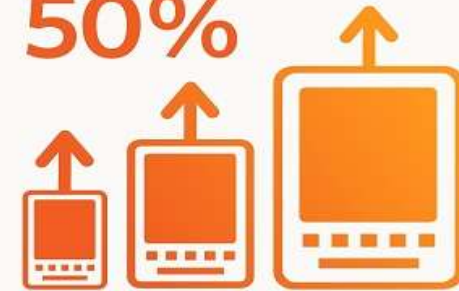
NUMBER OF
CONNECTED
DEVICES:

3.3/employee



EMPLOYEE TABLET USE
WILL SEE A YEAR-TO-
YEAR INCREASE OF

50%



1.2 billion
smartphones

will enter the market
in the next 5 years



THE CUSTOMER STORY – BRAINSTORMING



THE CUSTOMER STORY - REQUIREMENTS



THE CUSTOMER STORY – FACTS

- PERSONAL DEVICES CANNOT BE USED FOR REASON OF TAMPERED EVIDENCE
- USING MOBILE DEVICES WITH A HIGH STANDARD OF SECURITY IS VERY EXPENSIVE (SOFTWARE & DEVICES)
- MANY PHOTOS & VIDEOS CANNOT BE USED IN THE COURT OF LAW



THE CHALLENGE – THINKING OUTSIDE THE BOX

- DIGITAL PICTURES & VIDEOS:
ARE THEY REAL OR ARE THEY FAKE?
- A SIMPLE PROOF OF AUTHENTICITY



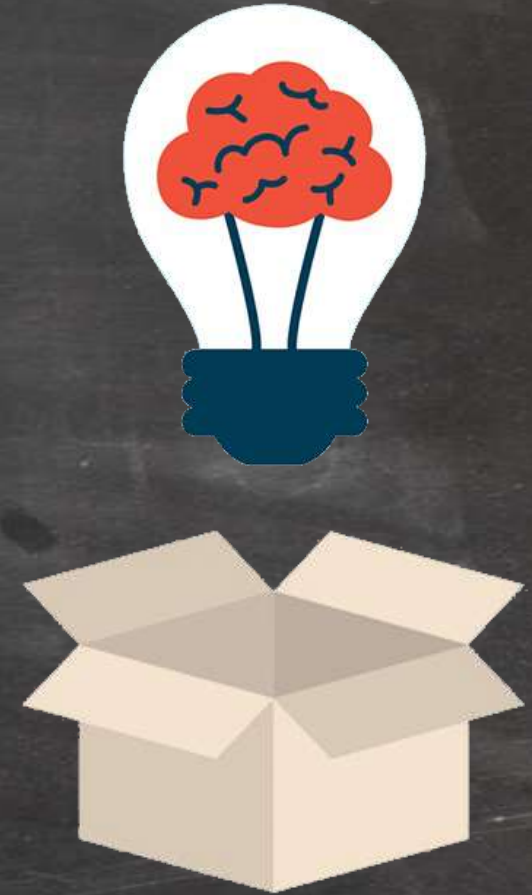
THE VISION: MYCAPP™

AUTHENTIC?

THE IDEA – THINKING OUTSIDE THE BOX

- ABSTRACT THE CHALLENGE OF CONFIDENTIALITY INTO SOFTWARE BY COMBINING SIMPLE LOGIC IDEAS WITH CRYPTOGRAPHIC ALGORITHMS FOR THE PROOF OF AUTHENTICITY
- BUILD UP DIGITAL TRUST CHAINS FOR EVERY IMAGINABLE MOBILE DEVICE
- INCLUDE MOBILE DEVICES INTO THE BUSINESS PROCESSES AND THE DIGITAL TRUST CHAIN

THE **VISION**: MYCAPP™



WORKING METHOD

- MYCAPP™-SERVER WITH SPECIAL APP-STORE IN A CONFIDENTIAL INFRASTRUCTURE OF THE CUSTOMERS
- A SOFTWARE BIOTOPE ON THE MOBILE DEVICE WITH THESE CHARACTERISTICS:
 - VPN-GATEWAY TO THE SERVER
 - ENCRYPTED FILESYSTEM FROM THE PERSPECTIVE OF THE DEVICE
 - IMPLEMENTATION OF DEFINED FUNCTIONS
 - CONTROLLED INTEGRATION OF INTERFACES & DEVICES
 - DELETE ITSELF IF VPN INTERRUPT HAPPENS
 - CUSTOMIZABLE – (QML)



USER EXAMPLE - POLICE

THE CAMERA SAVES THE FOLLOWING DATA:

- PICTURE CONTENT
- DATE
- TIME
- LOCATION



THE CAMERA REQUESTS DATA GIVEN BY THE POLICE STATION:

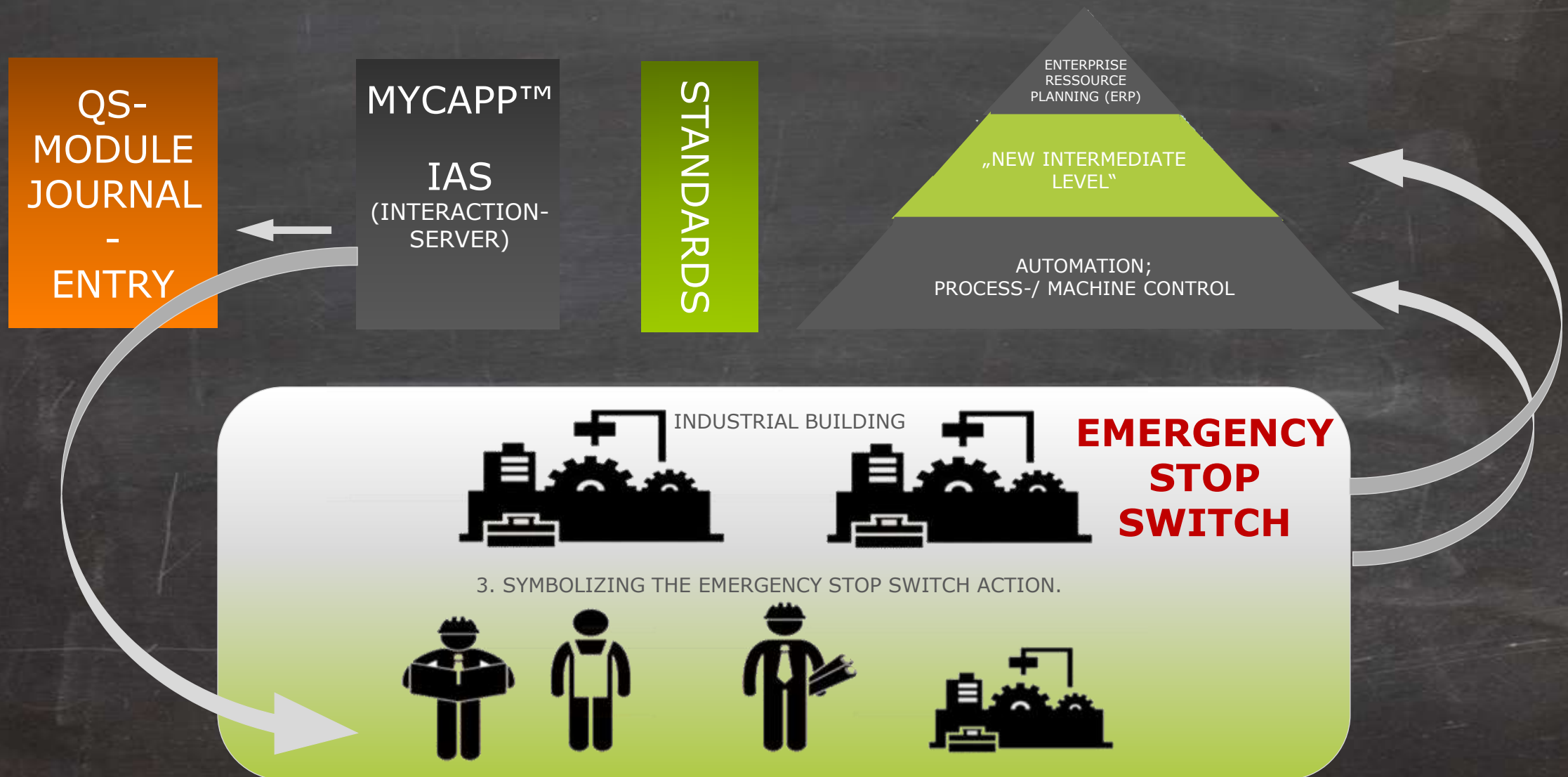
- OPERATION NUMBER
- DATE
- TIME
- LOCATION



SECURE CONNECTION

PUT TOGETHER, SIGN,
ENCRYPT & SEND OUT

EXPANSION IN DIFFERENT BRANCHES



NO UTOPIA - MYCAPP™ IS A PROTOTYP

WE HAVE: THE MYCAPP™ PROTOTYPING-SYSTEM



digitronic PRODUKTIONS-MONITORING		
AKTION	DATUM	IP
Manuelles NOT-AUS bei Produktionsstraße B17	2/23/2016 1:16:22 PM	192.168.173.135
Manuelle Inbetriebnahme der Produktionsstraße B17	2/23/2016 1:16:33 PM	192.168.173.135
Manuelles NOT-AUS bei Produktionsstraße B17	2/23/2016 1:16:48 PM	192.168.173.135
Manuelle Inbetriebnahme der Produktionsstraße B17	2/23/2016 1:17:00 PM	192.168.173.135

WE NEED YOUR BACKING FOR REALIZATION
EX. IN A PRODUCTION ENVIRONMENT

CONCLUSION – MYCAPP™ PROTOTYP



USABLE IN ANY IT INFRASTRUCTURE



NO ADDITIONAL INVESTMENT



REDUCED PROCUREMENT COSTS



NO SECOND DEVICE NECESSARY



IMPLEMENTATION OF BYOD

FINANCIAL BENEFITS



USING THE PRIVATE DEVICE



PROTECTION OF PRIVACY



USABLE IN ANY IT INFRASTRUCTURE



INDIVIDUAL ADAPTION IN
ESTABLISHED PROCESSES



DEVICES REMAIN UNRESTRICTED TO
THEIR SCOPE OF FUNCTIONALITY

SOCIAL BENEFITS

LOOK INTO THE FUTURE

2020

4 \$4 25+ 25+ 50
BILLION TRILLION MILLION BILLION TRILLION

CONNECTED
PEOPLE



REVENUE
OPPORTUNITY



APPS



EMBEDDED &
INTELLIGENT
SYSTEMS



GBs OF
DATA



GET IN TOUCH!

THANK YOU FOR YOUR ATTENTION!

MEET DIGITRONIC AT THE GERMAN PAVILLON IN
NORTH HALL D | BOOTH NUMBER 4020/15

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