

LTW Intralogistics GmbH  
und Check\_MK

Monitoring von  
Industrieanlagen



LTW

- ...ist eine Tochtergesellschaft der Doppelmayr Holding AG
- ...wurde 1981 gegründet
- ...übergibt dem Kunden weltweit schlüsselfertige Hochregallager
  - über 850 realisierte Projekte
  - mit 1850 Regalbediengeräten



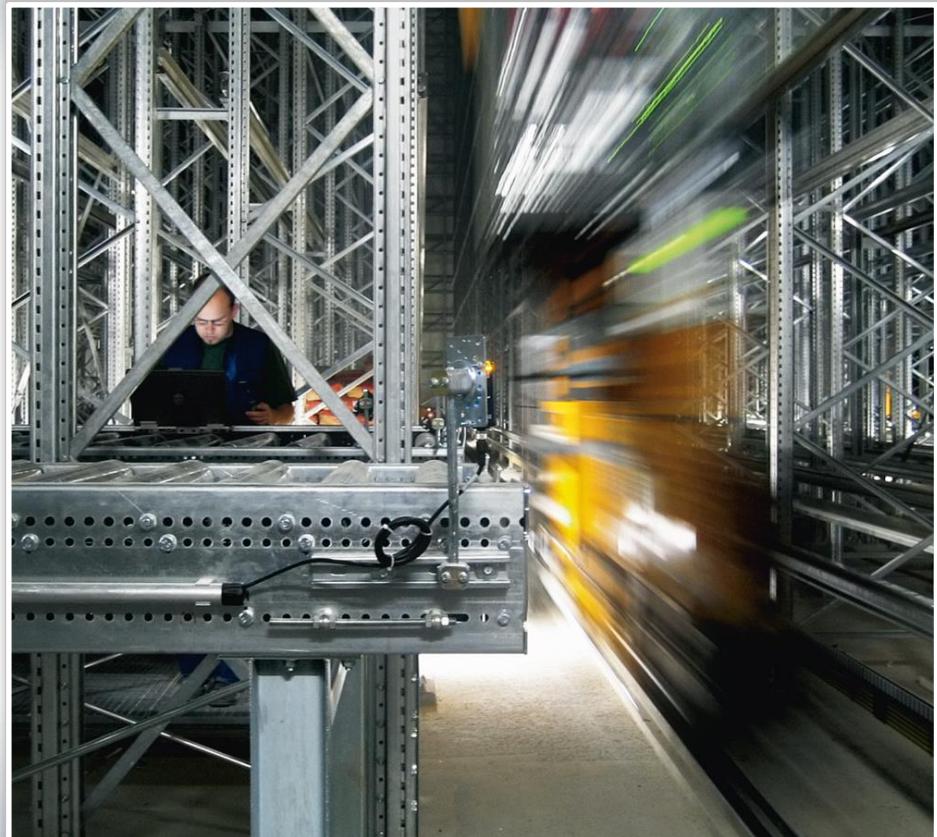
## Mühlebach Markus

- Seit 16 Jahren Mitarbeiter bei LTW
- 7 Jahre im SPS Umfeld
- 5 Jahre Software (Lagersteuersoftware)
- 4 Jahre IT
- Check\_MK seit 2013
- Kontakt:

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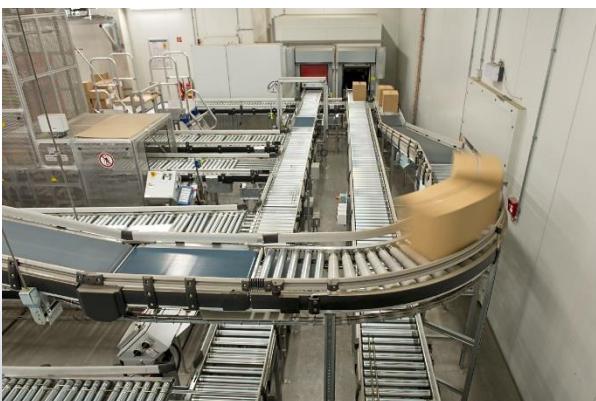


## Check\_MK@LTW

- Einführung Mitte 2013
- Umfang des Monitorings
  - Standard IT Monitoring
  - Monitoring von diversen Profinet Komponenten mittels SNMP
  - **Monitoring von Siemens Steuerungen**



# LTW INTRALOGISTICS GMBH



ENGINEERS OF FLOW

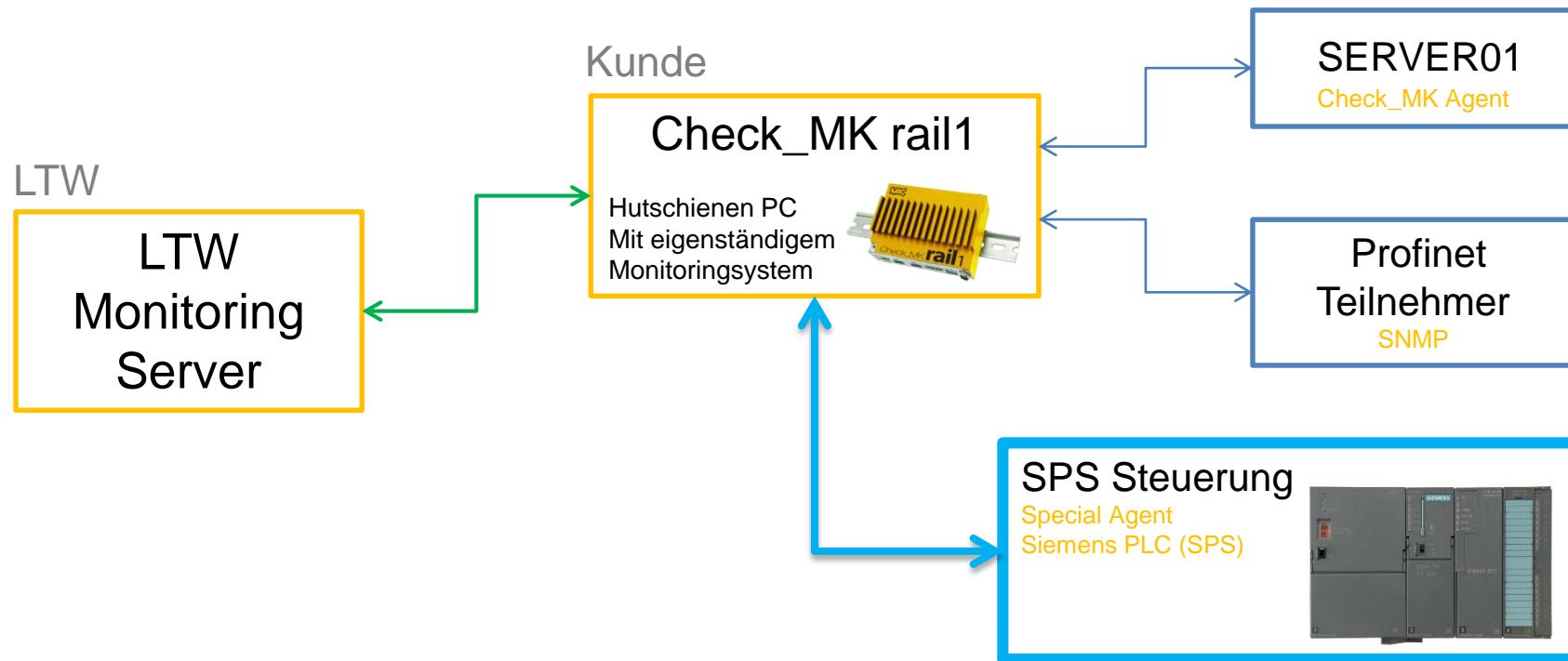


INTRALOGISTICS



ENGINEERS OF FLOW

## LTW Konzept

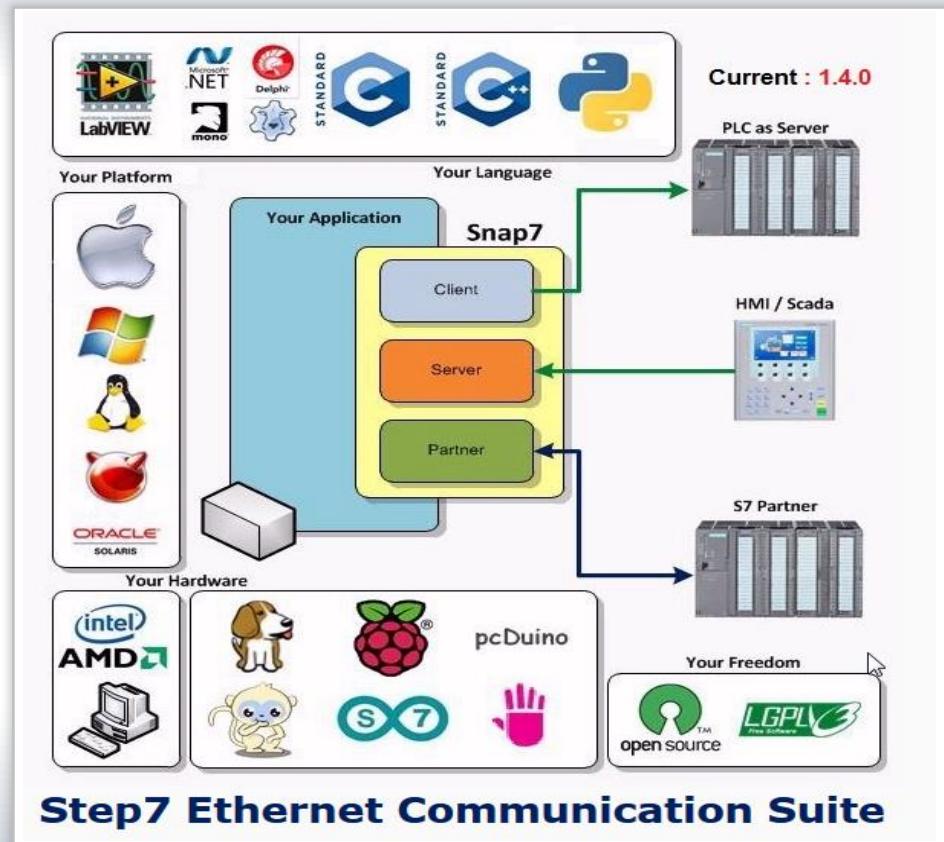


## Umsetzung des SPS Monitorings

- Verwendung der Bibliothek Snap7 von Davide Nardella
- Lizenz: GNU Library or Lesser General Public License version 3.0 (LGPLv3)
- Python wrapper „python-snap7“ von Gijs Molenaar, Stephan Preeker)

→ Special Agent

→ spezielle Checks



## Konfiguration

WATO - Configuration

- Main Menu
- Monitoring Agents
- Hosts** (Mouse cursor)
- Hosts
- Global Settings
- Host & Service Parameters** (Red box)
- MANUAL CHECKS
  - Check Plugins
  - Host & Service Groups
  - Users
  - Roles & Permissions
  - Contact Groups
  - Notifications
  - Time Periods
- Logfile Pattern Analyzer
- BI - Business Intelligence
- Distributed Monitoring
- Backup & Restore
- Custom Icons
- Alert Handlers
- Event Console

1 changes

### Rule-Based Configuration of Host & Service Parameters

1 Changes Main Menu Ineffective rules

Main directory >

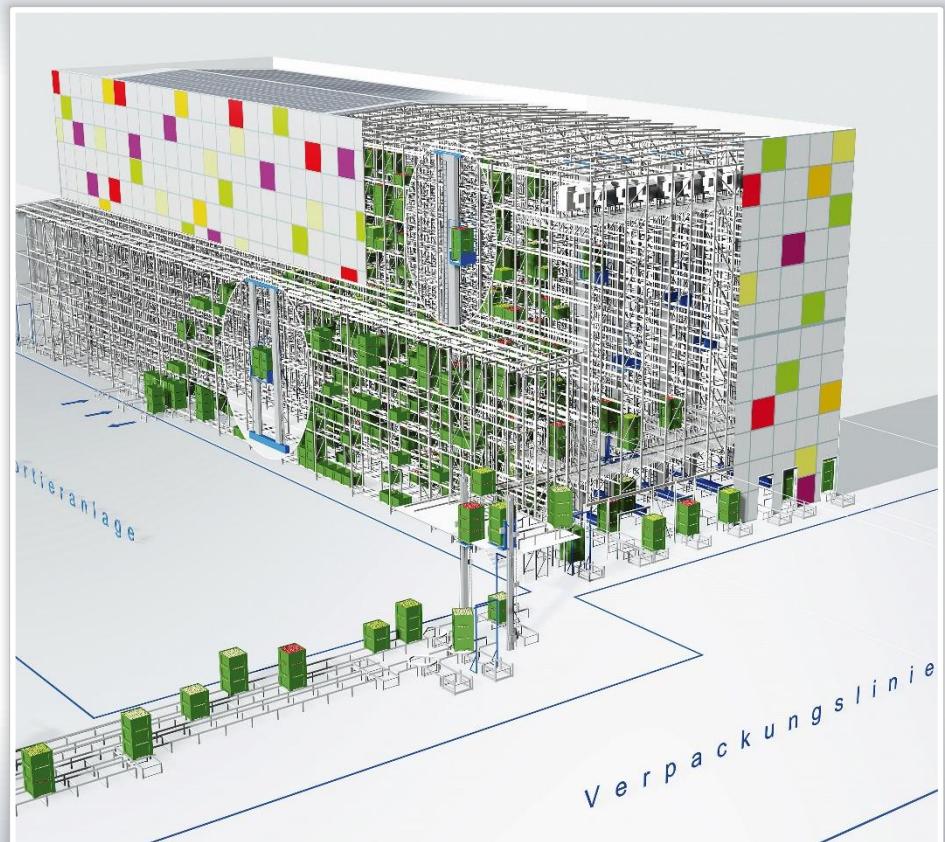
Search for rules:  Search

 Active checks (HTTP, TCP, etc.) Configure active networking checks like HTTP and TCP	 Monitoring Agents Configuration of monitoring agents for Linux, Windows and Unix	 Grouping Assignment of host & services to host, service and contacts groups.
 Access to Agents Settings concerning the connection to the Check_MK and SNMP agents	 Parameters for discovered services Levels and other parameters for checks found by the Check_MK service discovery.	 Datasource Programs Specialized agents, e.g. check via SSH, ESX vSphere, SAP R/3
 Event Console Settings and Checks dealing with the Check_MK Event Console	 Used Rulesets Show only modified rulesets (all rulesets with at least one rule)	 Hardware/Software-Inventory Configuration of the Check_MK Hardware and Software Inventory System

LIVE DEMO...

## Das war es schon fast...

- Ausblick
- Fazit
- Fragen?
- Links
  - [www.ltw.at](http://www.ltw.at)
  - <http://snap7.sourceforge.net/>
  - <http://python-snap7.readthedocs.org/en/latest/introduction.html>



## OMD meet the Bee's

- Imkern im Jahr 2015
- Datenerfassung (Gewicht, Temperatur)
- Aufzeichnung mittels OMD und Raspberry Pi

HERZLICHEN DANK!

