



Konica Minolta Business Solutions Czech, s.r.o.

16. května 2018

Pavel Dvořák, Computer Vision Research Specialist

Konica Minolta Business Solutions



FACTS & FIGURES KONICA MINOLTA

43,300 Employees worldwide
(as of 31st March 2016)



SALES BREAKDOWN BY REGION (FY2015)

Approx. **9,500** employees throughout Europe contribute to help our clients concentrate on what they do best: their business

51 countries throughout Europe
Active in (as of 31st March 2016)

Consolidated Net Sales
(FY2015, worldwide) **7.8 Billion €**



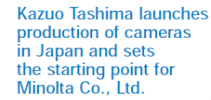
1873 Rokusaburo Sugiura sets the starting point of the business of Konica Corporation



Ranks **NUMBER 1** in terms of market share for **Production Printing (32.3%)** and **Office Colour A3 (21.5%)** in Europe (Infosource CY2015)

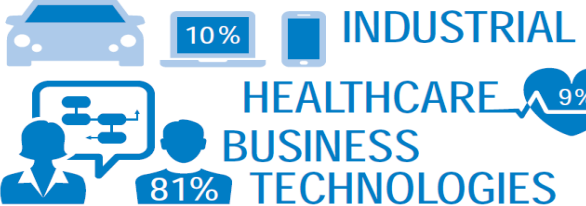
Konica Minolta is signatory of the 10 principals to the **United Nations Global Compact**

1928 Kazuo Tashima launches production of cameras in Japan and sets the starting point for Minolta Co., Ltd.



6,000+ customers in Europe have their processes optimized through OPS (Konica Minolta's Managed Print Services)

KONICA MINOLTA BUSINESS AREAS



3,800 SERVICE ENGINEERS TAKE CARE OF **200,000+** CUSTOMERS IN EUROPE

12,254 TOTAL NUMBER OF PATENTS REGISTERED IN JAPAN

52% FOR BUSINESS TECHNOLOGIES

571.5 Million € R&D EXPENDITURES

58% FOR BUSINESS TECHNOLOGIES

2016 **5 BUSINESS INNOVATION CENTRES WORLDWIDE**
SILICON VALLEY LONDON TOKYO SINGAPORE SHANGHAI

Investment into environmental measures (FY 2015): **7.3 Million €**

Reduction of CO₂ emissions throughout product life cycle by FY2015: **-53.3%**

Target Reduction of CO₂ emissions compared to 2005 levels by 2050: **-80%**

182 products certified as Green Products (Products that achieve top-level environmental performance in the industry)

FIRST COMPANY WORLDWIDE TO GET A BLUE ANGEL MARK IN THE FIELD OF COPYING



Konica Minolta Laboratory Europe (KMLE) Sites

London
Headquarters and Exploration Lab
est. May 2015



Brno
Digital Workplace Lab
est. October 2015



Munich
Digital Healthcare Lab
est. May 2016



Rome
Smart Systems Lab
est. February 2018



Computer Vision
& Machine Learning



Human
Computer
Interaction



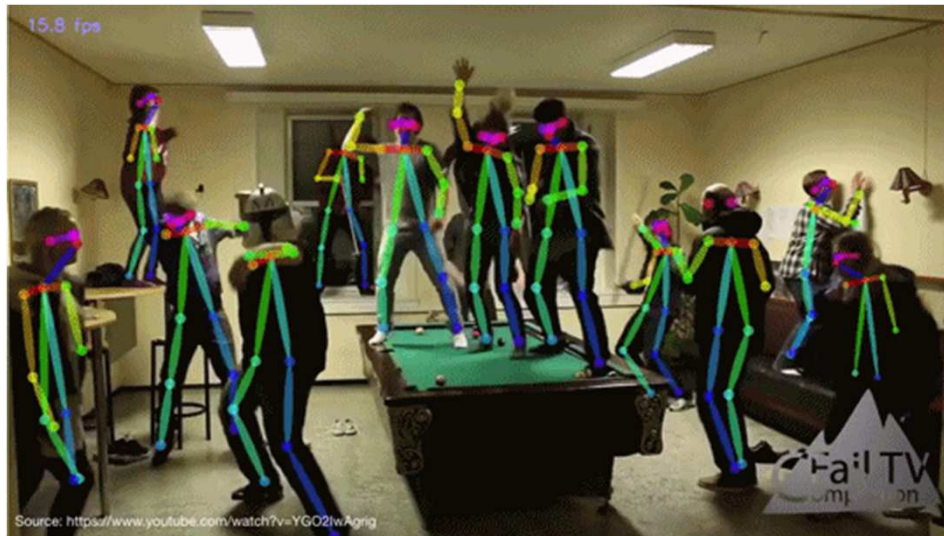
Internet of Things



Semantic Technologies
& Data Analytics

Computer Vision & Machine Learning

- Zpracování obrazu
- Detekce předmětů, osob, obličejů
- Pochopení kontextu



Internet Of Things

- Snímání informací o věcech a prostředí
- Přenos dat pomocí vlastní sítě LoRaWAN
- Analýza a update ERP systémů
- Lokalizace objektů



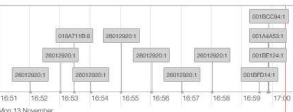
Server Admin

lorawan.swingate

Server Admin

- Users
- Infrastructure
- Devices
- Nodes
- Shepherd
- Backends
- Received Frames

Dashboard



Mon 13 November

Nodes	Version	Memory	Disk	Status
lorawan@vme615	0.4.13	98 MB	6 GB	⚠

Gateways	MAC	HWID	SubID	Last Fix	Status
	00271811FF183FC01	000000	000000	2017-11-02 14:51:18	⚠
	7278F00000000000	000000	000000	2017-11-13 16:57:38	✓

Devices	DevAddr	Last Seen
	01021010101010101	
	323833054548005	2017-10-30 18:45:01
	33304361200F19	2017-11-10 12:05:47
	33304361200C19	2017-11-11 04:46:21
	33304361200019	2017-11-12 10:40:31
	333043611360719	2017-11-10 11:53:34
	333043612000719	2017-11-12 15:20:21

Nodes	DevAddr	Battery	DL SNR	Last Fix	Status
	00003002	81	3	2017-09-05 10:20:21	⚠
	00005071	230	28	2017-11-13 12:22:11	✓
	00000045	232	31	2017-11-13 12:18:43	✓
	00003A0F	228	27	2017-11-13 16:24:02	✓
	0000400F	217	31	2017-11-13 12:20:01	✓
	00001000	180	31	2017-10-30 16:08:04	✓
	0000000A	216	31	2017-11-13 12:23:11	✓

Anglers

Semantic Technologies & Data Analytics

- Porozumění dokumentům
- Modelování digitálního a fyzického pracoviště
- Analýza procesů
- Prediktivní údržba

SHOW TIMELINE WORKDAY 8:00 - 18:00 ADJUST ARCHIVE

MENU VOICE CONTROL

Priority Customer satisfaction Marketing Campaign Workplace Hub Peter Cantrell

My tasks

DEBRIEF

- Prepare competitor analysis**
 Customer satisfaction 2h Due Today Karin Müller asana
- Organize Cognitive Hub event in Munich**
 Marketing campaign 2h Peter Cantrell
- Presentation for developers at all hands meeting**
 Workspace Hub 2h 30min 10 Monday June, 12th Alex Green JIRA
- Call Andrew**
- Review competition analysis and positioning**
 Customer satisfaction 30min 1 Monday June, 12th Karin Müller asana

Show 5 more total 120 Tasks

Search
People
Meeting Assistant
Chat

Human Computer Interactions

- Návrh a optimalizace UI/UX
- Pomoc při návrhu Next Gen features
- Design inovativních řešení

...ale proč?

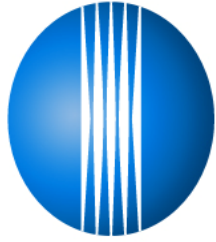


Spolupráce s MUNI

- **Laboratory of Data Intensive Systems and Applications (DISA)**
Vyhledávání podobností na základě náčrtu
- **Natural Language Processing Centre**
Použití NLP technologie pro sémantické porozumění textovým dokumentům
- **Human Computer Interaction Laboratory**
Použití virtuální reality v kancelářském prostředí

Co nabízíme

- Kreativní práci a možnost přijít s vlastními nápady
- Pro studenty
 - Spolupráce na dizertačních a diplomových pracích
 - Částečný úvazek
- Pro zájemce o práci na plný úvazek
 - Pozice specialistů a R&D inženýrů



KONICA MINOLTA