





OUTLINE

- 1. ELCA in few words
- 2. Introduction
- 3. Some proofs
- 4. Conclusion



ELCA

Presentation

ELCA is one of the largest information technology companies in Switzerland, and a leader in the fields of software development, systems integration, business consulting and applications management.

■ **Founded:** 1968 as electro-calcul for the software navigation

of the Grand Dixence Dam

■ **Employees:** Over 700 employees, mostly highly skilled

(IT) professionals with university degrees

Offices: Lausanne (headquarters), Zurich, Geneva, Bern,

Madrid, Paris, Ho Chi Minh City (Vietnam)

Turnover: More than CHF 100 million in 2014

Quality Standards: ISO 9001 (since 1993), ISO 14001 (since 2011),

CMMI level 3 (since 2007)

■ **Project Experience:** > 1000 customer projects in ten years

Awards:











ELCA

Business intelligence and Big Data

More than **50 collaborators** specialized in BI (ZH-BE-LS-GE)

- Elicitation of needs, support, training...
- Extraction, transformation, consolidation or migration of Data
- Modeling and implementing of Databases
- Implementing of standard reporting, ad-hoc reporting and dashboard
- Handling of unstructured data
- Social Media and/or Web data extraction
- Advanced analysis (Text processing, Predictive analysis, graph analysis, GIS, Search Engine...)
- Implementation of Big Data Projects



Introduction

Aujourd'hui 99% des objets ne sont actuellement pas connectés





BIG DATA VS IOT

Big data = Volume and/or Variety and/or Velocity

Gigabytes or Tetabytes of data

Sometimes without internet connection

Access to data remains limited

Smoke in, smoke out -> you still need to know your business

Big Data

The Internet of Things

Big data = Volume and Variety and Velocity

Petabytes of data

Internet connection

Data will be more accessible

Smoke in, smoke out -> you still need to know your business



Industry sectors from now to 2020



Health x6

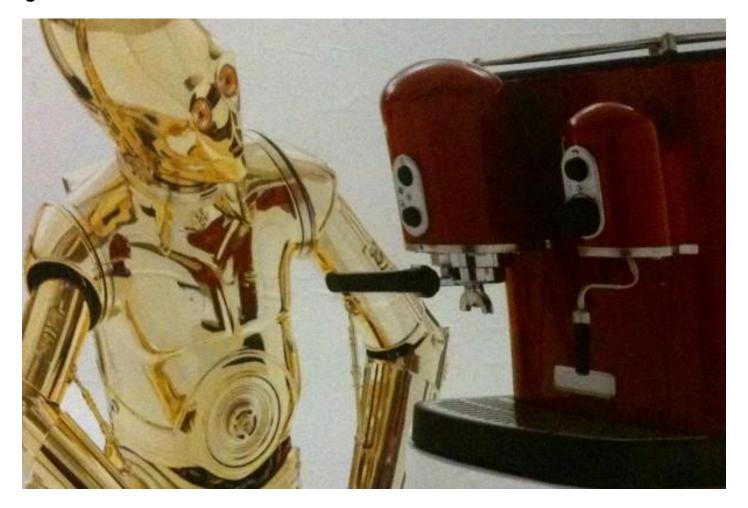






Production x4

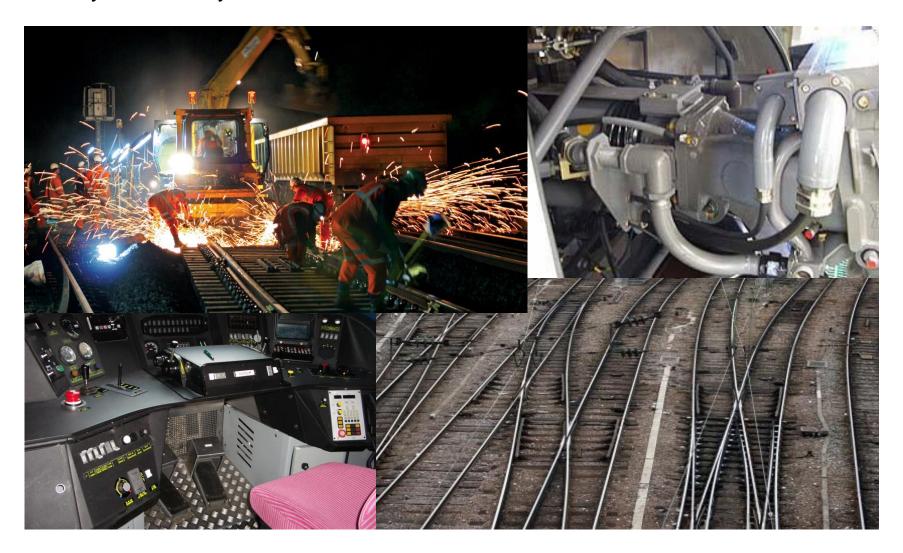
Challenges





PREDICTIVE MAINTENANCE OF NETWORK

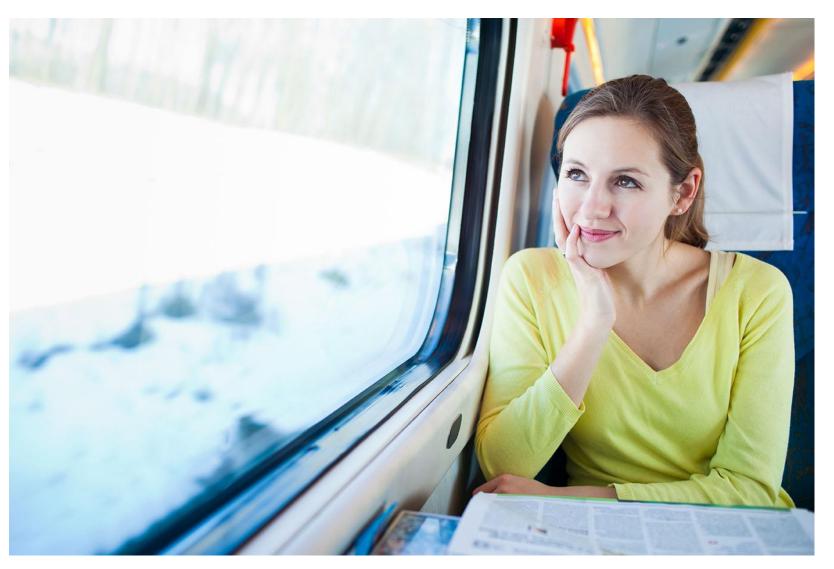
Priority 1 : Security





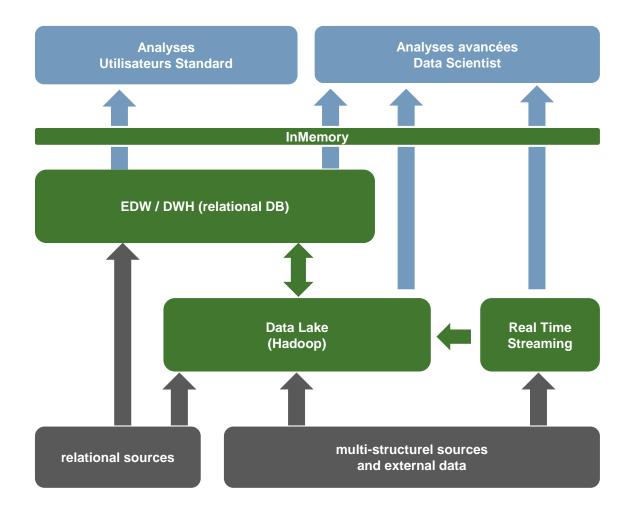
PREDICTIVE MAINTENANCE OF DOORS

Open or Late



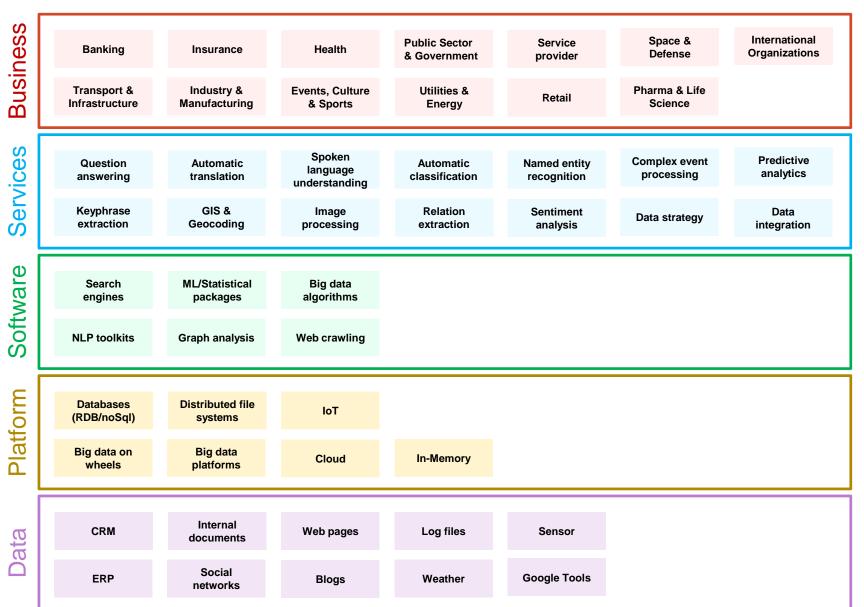


Architecture



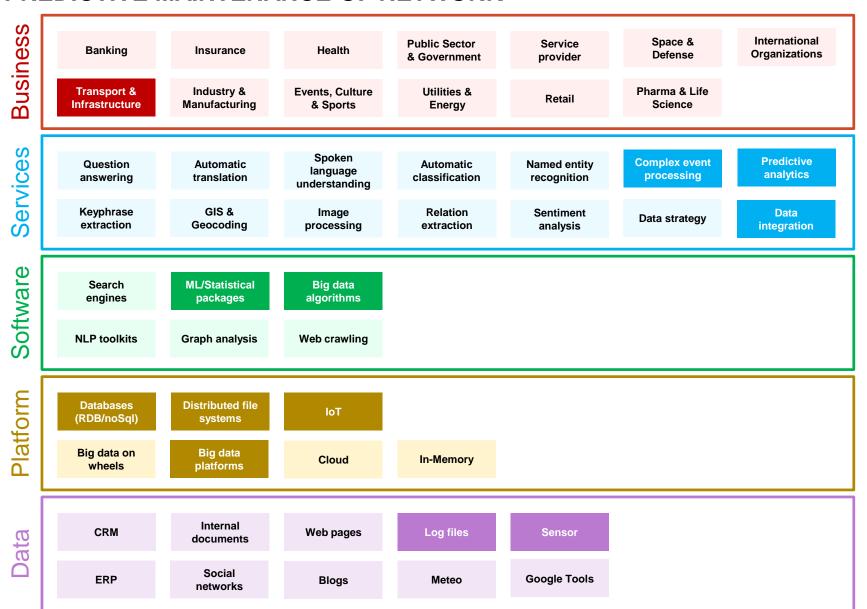


THE BIG DATA «STACK»



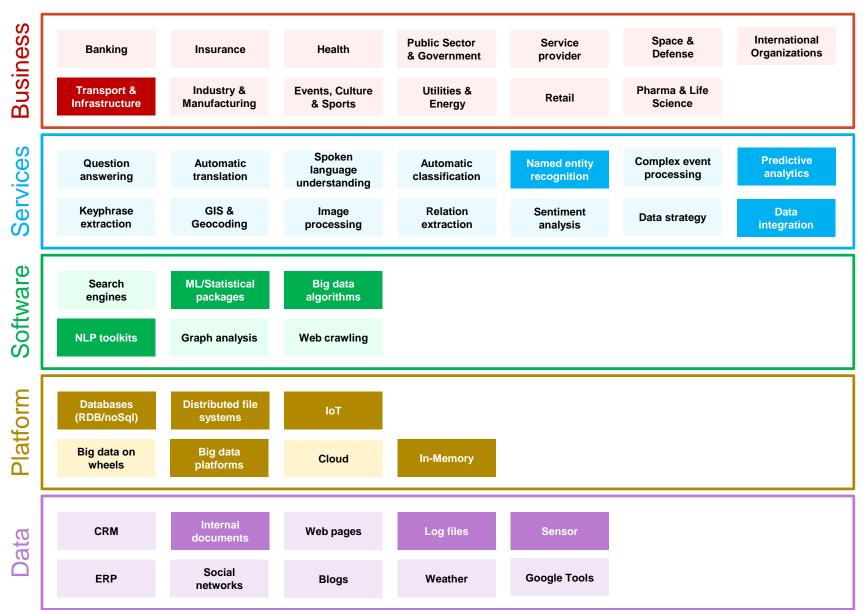


PREDICTIVE MAINTENANCE OF NETWORK





PREDICTIVE MAINTENANCE OF DOORS





THE INTERNET OF THINGS

Conclusion

Don't need:

- massive Data
- massive Investment
- massive Commitment

Start NOW!





Thank you.

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