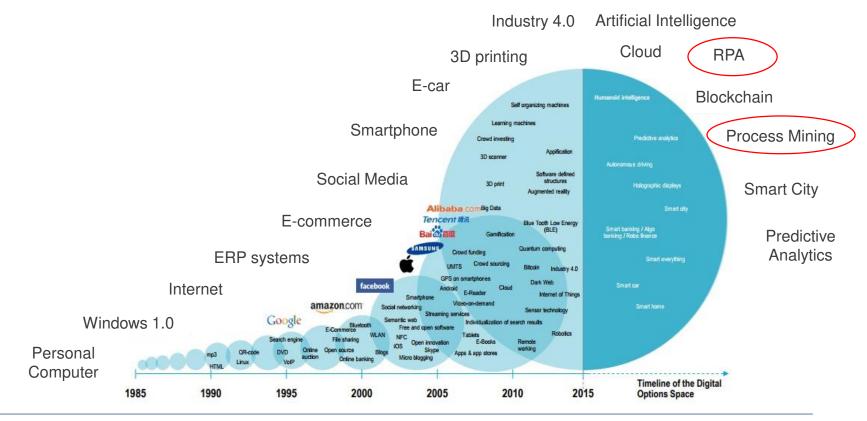








### TECHNOLOGY IS EVERYWHERE AND GROWING EXPONENTALLY

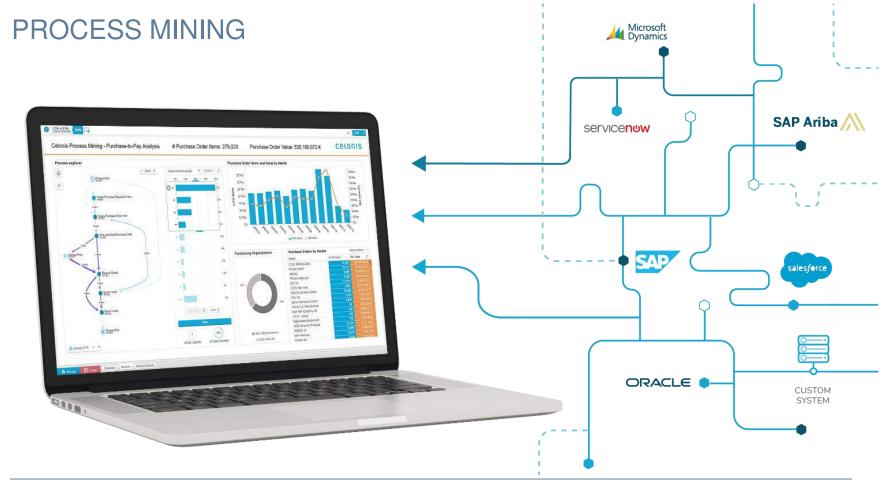




# PROCESS ANALYSIS & VISUALIZATION THE "TRADITIONAL WAY"



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#### PROCESS MINING CAN BE USED IN MANY AREAS



# ROBOTIC PROCESS AUTOMATION (RPA)

#### RPA is ...

- the use of 'software robots'
- that simulate user activities
- and drive efficiencies
- by automating high volume, repetitive tasks
- across multiple systems.



Automation applied to an efficient operation will magnify the efficiency.

Automation applied to an inefficient operation will magnify the inefficiency.

Bill Gates

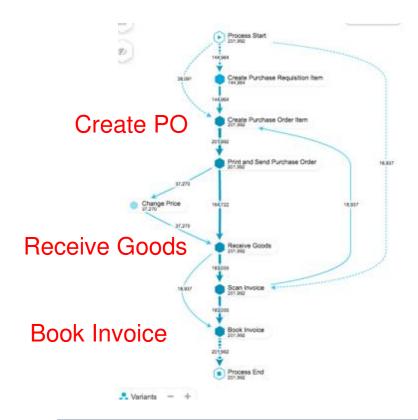


#### USING DATA AND TECHNOLOGY TOGETHER TO ACCELERATE

# TRANSACTIONAL SYSTEM **Monitor & Control RPA Get Insight PROCESS MINING RPA Identify opportunities** 0 0

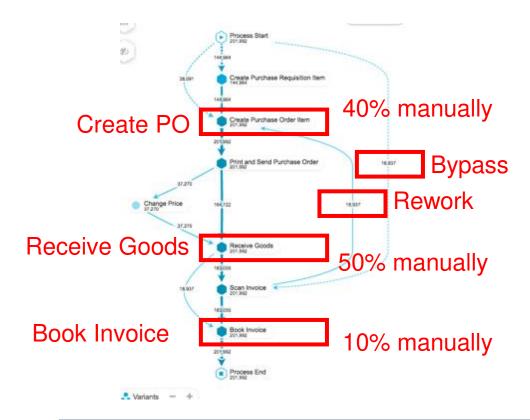
# INSIGHT IN THE REAL PROCESS

#### **Get Insight**



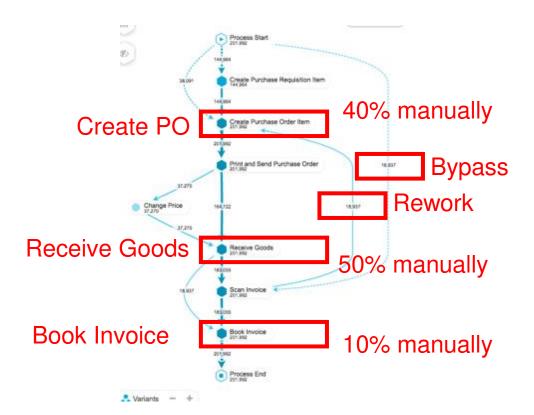
### **IDENTIFY IMPROVEMENT OPPORTUNITIES**

#### **Identify opportunities**



### ASSESS THE BEST SOLUTION

#### **Identify opportunities**

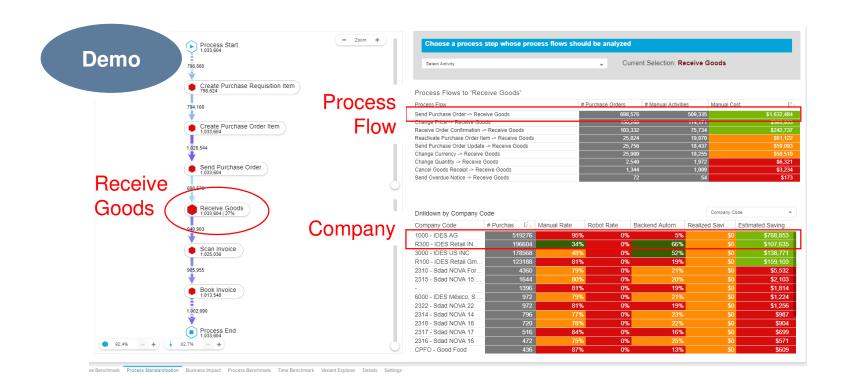


#### Process improvement solutions

- Process standardization
- Training of (new) employees
- Invest in technology
- Business Process Redesign
- Insourcing/Outsourcing
- Automation (e.g. RPA)
  - High volume
  - Repetitive tasks
  - Estimated savings

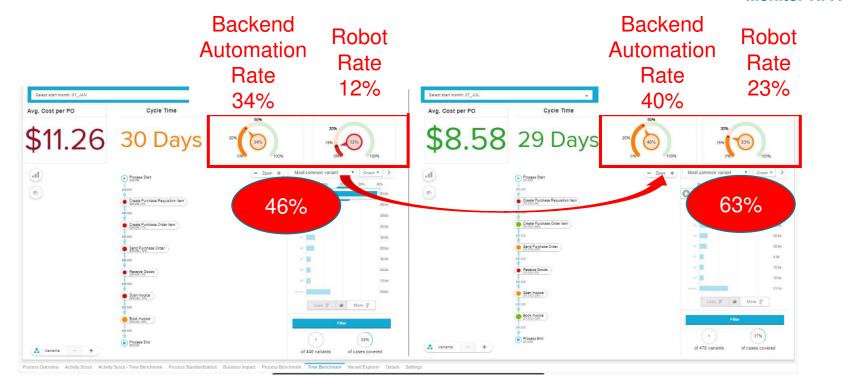


### **AUTOMATION ASSESSMENT**



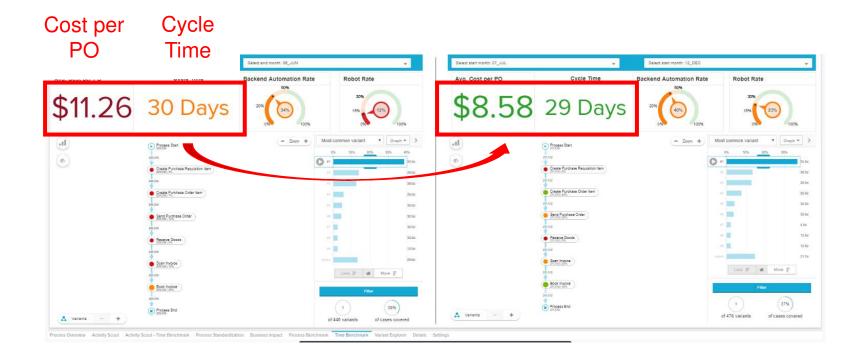
# INTELLIGENT AUTOMATION ANALYSIS TO MONITOR RPA AND OVERALL AUTOMATION

#### **Monitor RPA**



# INTELLIGENT AUTOMATION ANALYSIS TO MONITOR RPA AND OVERALL AUTOMATION

**Monitor RPA** 



#### **Demo Celonis**





# **Benefits**

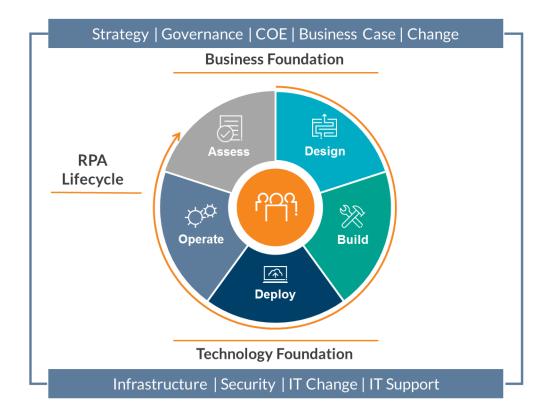
- Improved process efficiency (cost, speed, quality)
- More effective control environment



### <u>Risks</u>

- Bot does the wrong thing
- Bot is wrongfully updated
- Bot changed by unauthorized staff





#### CONCLUSIONS



Process Mining benefits (IT) Risk Mgt, Internal Audit and the Business



Consider the best way to automate: "a Bot is not a hammer"



Process Mining can strengthen RPA and v.v.



RPA programs bring new risks and need Governance



Your job as an (IT) risk manager or auditor is changing

#### TODAY'S PRESENTERS



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# Face the Future with Confidence