x-bionic sphere

the universe of species



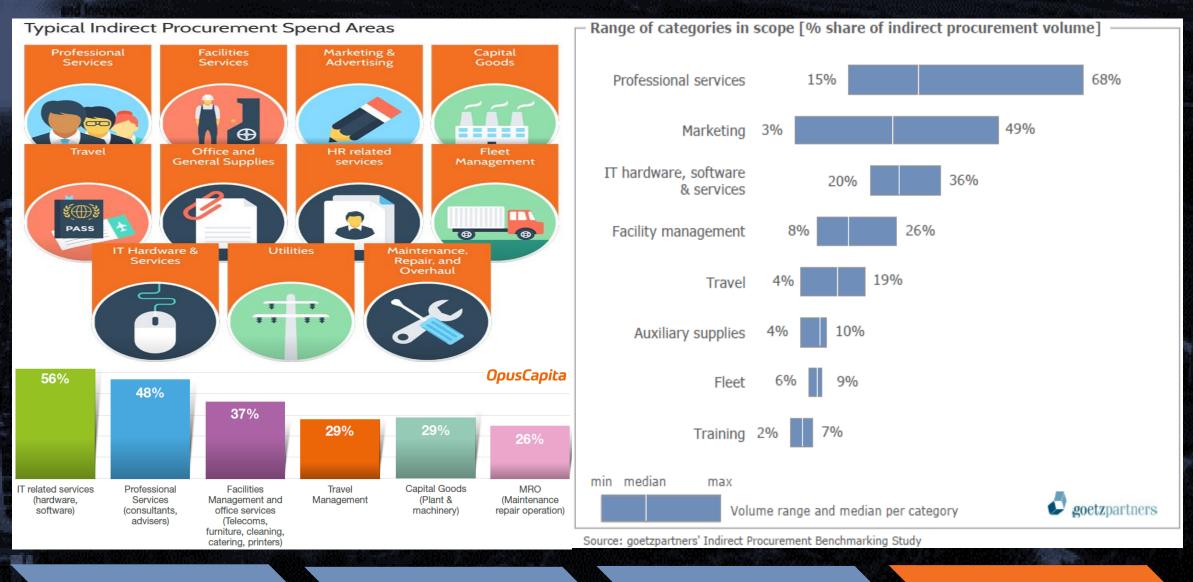
# Indirect Procurement 4.0

Šamorín | Slovakia 11.04.2019





## Indirect Procurement 4.0 | Scope and Maturity



Stage 1.0 **Unit Cost** 

Stage 2.0 **Operation Cost** 

Stage 3.0 **Demand Mng.** 

Stage 4.0 **Digitalisation** 



#### **Change nature** of demand

Seek joint advantage with supplier

Sourcing	Buying	Cost	Standardization
community	consortia	data mining	
Procurement	Mega supplier	Master data	Spend
outsourcing	strategy	management	transparency
Compliance management	Closed loop spend management	Supplier consolidation	Bundling across generations
Demand	Contract	Bundling across	Bundling
reduction	management	product lines	across sites

Leverage competition among suppliers



## Indirect Procurement 4.0 | Process Transformation



**Spend Analysis &** Saving Tracking

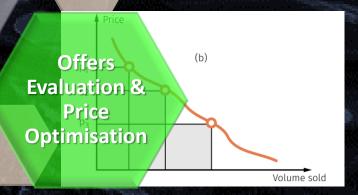


**Demand** Management & e-Budget

**Big Data Procurement** Database Automation

**Contract & Compliance & Approval Automation** 







## Source to contract becomes *Predictive*

### Imagine...

- Managing spend in real time
- Predicting demand with artificial intelligence
- Knowing total cost for commodities
- Predicting sources of future supply



# Purchase to pay becomes *Automated*

### Imagine...

- Automatically sensing material demand and requisitioning delivery
- Eliminating repetitive processing
- Triggering payments in real time
- Exchanging goods through decentralised ledgers



# Supplier management becomes *Proactive*

### Imagine...

- Monitoring risk in real time
- Conducting supplier visits utilising augumented reality
- Performing supplier audits through crowd sourcing
- Monitoring sustainability using automated reporting/visualisation



## Indirect Procurement 4.0 | Digital Tools 2020



Simultaneous Supplier Integration

Voice **Technologies** & Negotiation & Contracts

**Big Data Procurement** Database Automation

Blockchain & IoT & P2P

MUININ **Forecasting** & Artificial Intelligence

Learning Machines & Decision Makers

## Indirect Procurement 4.0 | Digital Tools 2020



#### **CLOUD**

#### BENEFITS OF CLOUD SPEND MANAGEMENT SOLUTIONS

#### Innovation:

Fast access to innovation without the need to go through long and complex upgrades



Scalability & modularity:

A solution that evolves in tandem with the transformation of the company



Cost:

Cloud solutions provide lower TCO



#### MOBILE

#### BENEFITS OF MOBILE TECHNOLOGIES FOR PROCUREMENT

- Flexible work time management of Procurement team
- Faster access to information and data

- Streamlined validation workflows
- Lower transaction costs

Better spend analysis and savings opportunity identification

Predict, analyse and manage supply market opportunities

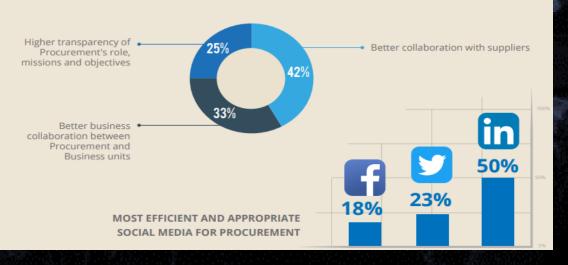


**Improve Procurement** team performance and agility



#### SOCIAL MEDIA

#### BENEFITS OF SOCIAL MEDIA FOR PROCUREMENT?





## Indirect Procurement 4.0 | Price Management





## Indirect Procurement 4.0 | Supplier Management

Comprehensive Supplier Intelligence & **Risk Analysis** 



Supplier Information Management

**Big Data Procurement Database** Automation

**Master Data** Management & **Supplier Portals** 



Suplier Relationship Management

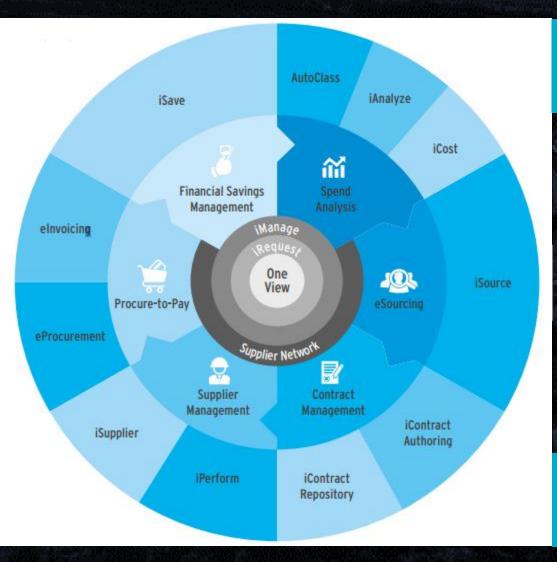




## (Robots&Softwares) Cheaper

Indirect Products & Services	Professional Services	8-10%
	Professional Services	7-9%
Savings %	IT Equipment	15-20%
	Transportation	10-15%
	Travel	12-15%
	Sales & Marketing	5-7%
	Office Supplies & Paper	18-20%
	Mobile Telecom	10-15%
pwc	Temporary Staff	13-15%

(100% Autocontrol) **More Accurately** 



### (Be First) **Faster**

« The Procurement Departments appear fully aware of the importance of this new issue related to the digitalisation of the company «

Purchase Requisition

PR Approval

PO Creation

PO Approval

Goods Receipt

Invoice Receipt

Invoice **Process** 

**Payment** 





**MRO** (Blue Collar) **Digital Tools** 















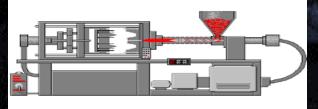




















Demand  $\rightarrow$  RFQ  $\rightarrow$  Order





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