

Re-thinking Enterprise business processes using Augmented Intelligence

How would you rethink Enterprise business processes using Augmented Intelligence?

To put the basics into perspective: we consider a very 'grassroots' meaning of AI. AI is based on Deep Learning. Deep Learning involves automatic feature detection using the data. You could model a range of Data types (or combination thereof) using AI:

- a) Images and sound - Convolutional neural networks
- b) Transactional - ex Loan approval
- c) Sequences: including handwriting recognition via LSTMs and recurrent neural networks
- d) Text processing - ex natural language detection
- e) Behaviour understanding - via Reinforcement learning

To extend this idea to Process engineering for Enterprises and Cities, we need to

- a) Understand existing business processes
- b) Break the process down into its components
- c) Model the process using Data and Algorithms (both Deep Learning and Machine Learning)
- d) Improve the efficiency of the process by complementing the human activity with AI(Augmented intelligence)

But this just the first step: You would have to consider the wider impact of AI itself

So, here is my list / 'stack':

- * New processes due to disruption at the industry level (ex Uber)
- * Change of behaviour due to new processes(ex: employees collaborating with Robots as peers)
- * Improvements in current Business Processes for Enterprises: Customer services, Supply chain, Finance, Human resources, Project management, Corporate reporting, Sales and Logistics, Management
- * The GPU enabled enterprise ex Nvidia Grid but more broadly GPUs Will Democratize Delivery of Modern Apps, More Efficient Hybridization of Workflows, Unify Compute and Graphics
- * The availability of bodies of labelled data
- * New forms of Communications: Text analytics, Natural language processing, Speech recognition, chatbots



What Does Blockchain Technology Mean for the Procurement Industry?

It's easy to treat new technologies with a degree of skepticism. After an initial wave of excitement and expectation - accompanied, invariably, by many botched rollouts and protracted implementations - many of these supposedly game changing advances become bitter disappointments.

But this isn't necessarily the technology's fault. Indeed, many of these advances are - when divorced from the Gartner hype cycle and placed in their proper context - exactly as exciting and game changing as they seem, if not more so. Blockchain is a high-profile victim of this phenomenon: as a distributed ledger technology, that promises faster, more secure payments, many industries have been exploring its possibilities.

Procurement is no exception. And while Blockchain technology may have limited application in other professions, in this one, it looks set to live up to the hype. As a means of reducing costs, improving efficiency, controlling fraud, and boosting transparency, it has tangible, real-world benefits for procurement functions - whatever the market or business they