



ICT+

20 innovations 2020



Bart Lamot

Director innovations

AI

- Machine learning
- Deep learning
- Neural networks

- Computer vision
- Digital assistants
- Language processing
- Prediction / Prescription

Gartner Hype Cycle for Artificial Intelligence, 2019



gartner.com/SmarterWithGartner

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Gartner.

Digital Assistants

- Siri
- Cortana
- Google assistant

- Simple commands
- Handle phone calls
- Privacy
- Business use cases



Digital twins

- A digital copy of an object
- Live data
- Microsoft Azure

- Control
- Predict
- Simulate



Mixed reality

- VR / AR / MR
- Hololens
- Fieldbit industrial app

- Enhanced environment
- Service instructions
- More insights



Asfalt detection

- AI application
- BAM
- Faster throughput
- Experts getting more done
- System keeps learning



Object detection

- AI application
- Graduation project
- Assisting employees
- High resolution image processing



Detect odd behaviour

- AI application
- Research project
- Combination of experts in IT and in farming



Game engines

- Advanced simulation environments
- Speeding up testing and development
- Example: Formula 1 racing



Digital archeology

- Learning from hyper efficient code
- Integration with older systems
- Making older systems more secure



Containerization

- Upscaling / downscaling
- Sandboxing
- Virtual terminals



Mobile phones

- Dual / folding displays
- Mobile as a Laptop
- My digital ID



Personal audio

- Digital assistants
- Any place is private space
- Heartrate detection



Connected brain

- Controlling computers
- Relaxing
- Graduation project



Calamities

- Detecting extraordinary situations
- Assist
- Notify people
- Graduation project



Smart contracts

- Hype is over
- Distributed Autonomous Organisation
- Asset management
- Research project



Security & quality

- Old systems get hacked
- Detect risks
- Simulate attacks
- As a Service



Code prediction

- Github as a source
- More lines of code with less typing
- Proven blocks of code



Low code

- The model is the code
- Drag and drop
- Not only for GUI



5G

- Always connected
- Landlines no longer needed
- IoT



AI as a Service

- Select your problem
get your solution
- Pre-trained models, pre-
coded integration
- As easy as ordering a
beverage

