

# I-construction

## Automation ICT VDC and construction robots

**in construction projects**

### Introduction

*Architect, systemplanner and Senior researcher Nils Lykke Sørensen*

*Friday 13. september 2019*

# Program

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KI 14:50 VDC, BIM, ICT and i-Construction by **Andreas Kragh**, Niras A/S

KI 15:10 From i-Construction to FM linking CIT, BIM and IoT by **Nicki Blådal**, CEO at CXweb,  
**Marie Bryld Wolsing**, Sustainability Engineer at COWI

KI 15:30 RAW's robot by **Finn Christensen**, Co-Founder & CTO, RAW's robot

**KI 15:50 Break**

KI 16:00 Sophistication of Construction with ICT Precise Management in Construction  
Introduction of Construction Robots in Japan by Dr. **Tateyama Kazuyoshi**, Dr. **Takaaki Yokoyama** and Dr. **Hirushi Furuya**, Ritsumeikan University, Japan

KI 16:20 Future with 3D Printed Construction by **Ole Ellinghausen**, M.Sc., Project Manager,  
COBOD International

KI 16:40 Discussion of development and implementation of i-construction and new  
technology in construction

**KI 17:00 Closing, sandwich and networking**

# Introduction 1 of 2

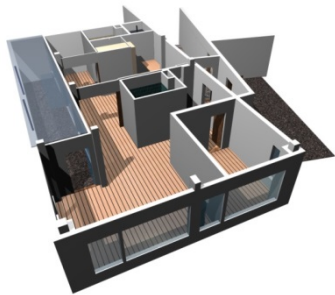
## Don't worry folks - artificial intelligence saves the world

*Politiken, Mandag 9. september 2019*

*James Lovelock  
Father of the Gaia hypothesis*



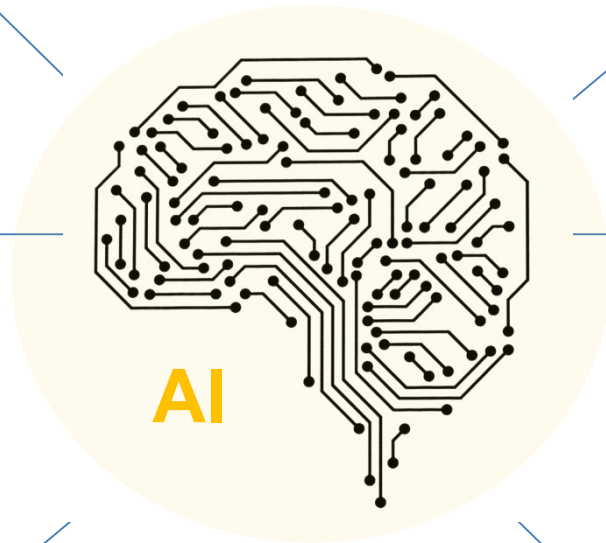
*IOT*



*BIM*



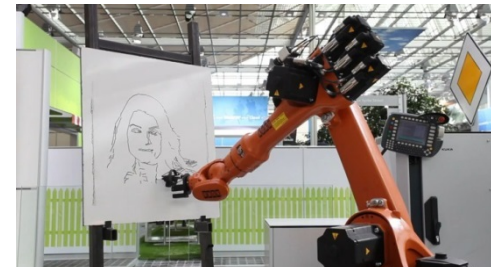
*Sensor*



*3D Print*



*FM*



*Robot*

## Introduction 2 of 2

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We will *not* talk directly about AI but about the surrounding technologies.

However, all of the technologies require a concept of governance that, among other things, is seen in specifications for a common language (classification), competence discussions...

James Lovelock and many others imagine that this governance (management) will be controlled by AI in a imminent future.

Whether it's our brains or a futuristic super brain, technologies will require new forms of collaboration, other skills and result in new products.

In the first half about: BIM, VDC, Link to FM, IOT and Robots

And in the second half: Sophistication of Construction with ICT Precise Management and 3D printing

And we will end up with ad discussion of development and implementation of i-construction and new techology in construction