

# Autonomous Mobile Robots Support a Lean Approach to Business Operations

*Stuart Harris, Advanced Manufacturing and Engineering Leader at Honeywell Analytics*

*René Tristan Lydiksen, CCO at Mobile Industrial Robots*

**Location:**

automatica Forum  
hall A5, stand 135

**Day and time:**

Wednesday, 20th June 2018  
1:30 – 2:00 p.m.

As manufacturers embrace a lean approach to operations, executives are evaluating opportunities to optimize productivity. Even in highly automated facilities, material handling often remains a manual process – however, automating material transportation reduces production bottlenecks and deploys valuable human workers more effectively.

Facing these challenges, Honeywell Analytics, a British producer of gas-detection equipment, relies on lean manufacturing in order to stay competitive. “As with all manufacturing systems, flexibility is at the heart of optimizing efficiencies”, says Stuart Harris, Advanced Manufacturing and Engineering Leader. Yet even with most production processes being automated, material handling still remained a manual process: The vast facilities with warehouse and manufacturing stretching across two levels, including narrow corridors, double fire doors and a controlling lift, proved too big a burden. Honeywell found that only Mobile Industrial Robot’s MiR100 was apt to solve this task. Now a fleet of three autonomous robots move items between production and warehouse. The user-friendly software enables Honeywell to easily update their maps and missions whenever changes are made.

MiR’s robots increase Honeywell Analytics’ efficiency, freeing six full-time employees for more valuable tasks. “There is a whole wealth of efficiencies that we touch upon”, Harris explains. The Honeywell Group typically looks for a ROI in two years, which Honeywell Analytics expects to easily achieve with three MiR robots on its site.

This presentation shows how companies can easily and cost-effectively optimize their internal transport, with Honeywell Analytics offering a prime example of automation maximizing flexibility and agility.

## Speaker

### René Tristan Lydiksen, Mobile Industrial Robots

Mobile Industrial Robots	Chief Commercial Officer	2018 to present
Kompan Group	Chief Marketing Officer	2017-2018
LEGO Education International	Managing Director	2013-2017
Veksø Group	Group sales and Marketing Director	2008-2013

#### **Education:**

PhD in International Entrepreneurship, University of Southern Denmark/Brunell, UK & Leadership, 2006-2009

MBA, Henley, UK, 2001-2002

MA in Communication & Sociology Aalborg University, 1988-1993

#### **Board work:**

Former chairman of the Danish Entrepreneurship Centre

Chair at SIMA (military equipment)

Advisor for several technology start-ups and co-owner of software company Champ.dk

Advisor for Oxygen Software A/S

### Stuart Harris, Honeywell Analytics

Honeywell Analytics	Advanced Manufacturing and Engineering Leader	2016 to present
Honeywell Analytics	Sensors Engineering Leader	2015 to 2016
Honeywell Analytics	Senior Process Specialist Automation	2009 to 2014
Honeywell Analytics	Process Specialist Automation	2007 to 2009

#### **Education:**

BEng (Hons) Middlesex University, Bounds Green, London. European Product Engineering and Management. 1997

DUETE – ( dual award with BEng) Université d’Artois, Béthune, France Diplôme Universitaire d’Etudes Technologiques Européennes 1997

## About Honeywell

Honeywell is a Fortune 100 diversified technology and manufacturing leader, serving customers worldwide with aerospace products and services; control technologies for buildings, homes, and industry; turbochargers; and performance materials.

For nearly 50 years, Honeywell Analytics has been protecting people who put their lives on the line every day. Through advanced technology and pure industry know-how, Honeywell Analytics continues to improve and evolve their products.

## About Mobile Industrial Robots

Mobile Industrial Robots (MiR) develops and markets the industry's most advanced line of collaborative and safe autonomous mobile robots (AMRs) that quickly, easily and cost-effectively manage internal logistics, freeing employees for higher-value activities. Hundreds of mid-sized through large multinational manufacturers, along with several hospitals and nurseries around the world, have already installed MiR's innovative robots.

MiR has quickly established a global distribution network in more than 40 countries, with regional offices in New York, San Diego, Singapore, Dortmund, Barcelona and Shanghai. MiR has grown quickly since its founding in 2013, with sales rising by 500% from 2015 to 2016, and 300% from 2016 to 2017. Founded and run by experienced Danish robotics industry professionals, MiR is headquartered in Odense, Denmark. For more information, visit <http://www.mobile-industrial-robots.com>.