



Exceptional
excellence

OPTIMUM

OPTIMUM

The word "OPTIMUM" is displayed in a bold, white, sans-serif font against a solid black rectangular background. The letter 'I' is uniquely styled with a blue vertical bar.

OPTIMUM

ITEA Award of Excellence 2022 ceremony
15 September 2022
Anja Fischer-Kraus



ITEA 4 is the Eureka Cluster on software innovation



Anja Fischer-Kraus

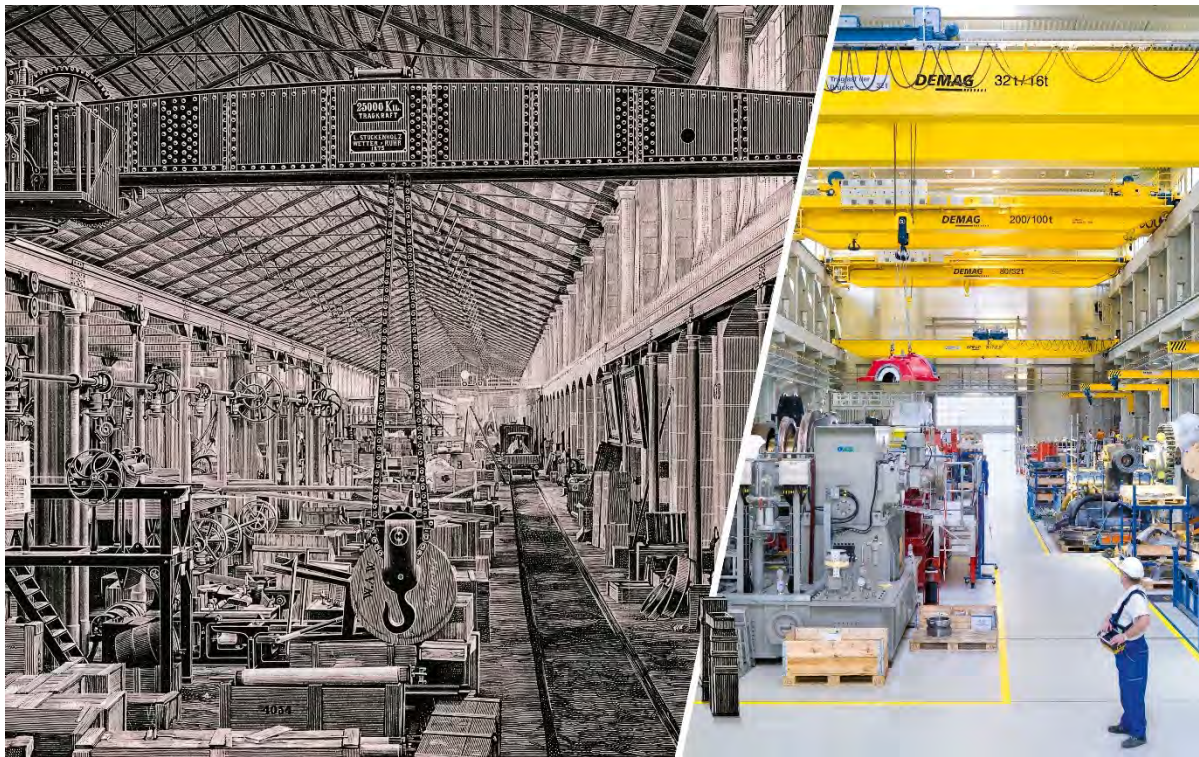
Projectmanger

Demag Cranes & Components GmbH

Consortial lead **OPTIMUM**



Evolution of processes



Project consortium

This project has received funding from:



Technology contents to achieve project objectives

- Distributed Control Platform
- Indoor Localisation
- Context Awareness
- 5G
- 3D-Engineering Tools
- Cyber Security
- Safety of Humans & Equipment



OPTIMUM demonstrators



What is the customer benefit?

Innovative assistance functions

- Come to me
- Follow machine

18 % efficiency increase



OPTIMUM

Other innovative assistance functions

Other innovative assistance functions

- Follow me
 - Go To
 - Come to machine
 - No go Areas
 - Restricted Areas
- ... to be continued



Market impact

DEMAG

Crane with OPTIMUM
Assistance functions at
Fraunhofer Institute in
Magdeburg

NXP

Industrial Evaluation
Kit

TARAKOS

Update taraVRbuilder &
taraVRcontrol for Crane
applications

BEIA

IoT telemetry solution
with OPC UA for cranes
to be used by NAVROM

8 Patent ideas

out of OPTIMUM

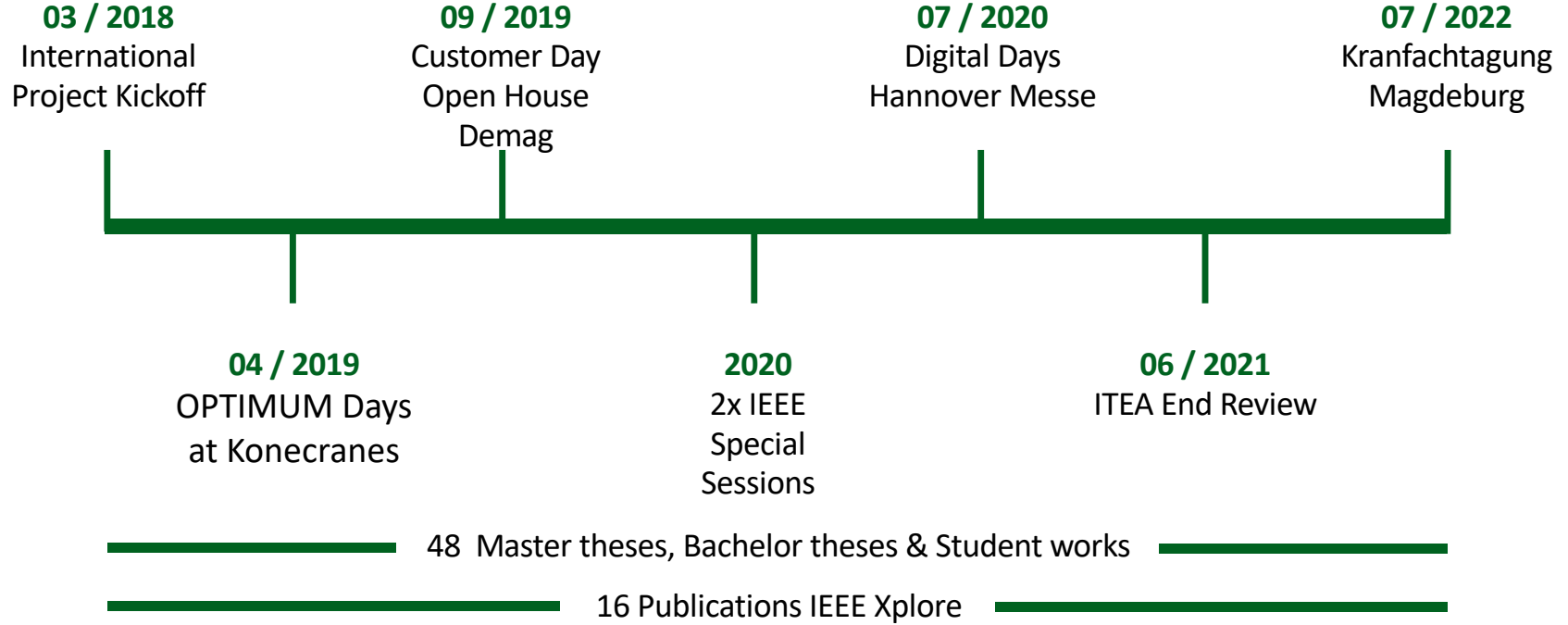
3 Patents granted

nationally for Turkey

Standardisation Highlights



Dissemination Highlights



Customer Days & Open House Demag

1.000 Visitors

