



WORLD CLASS MAINTENANCE

Network for Smart Maintenance

Predictive Maintenance Day, 06-11-2024

**NXT
GEN**
hightech

Fieldlab
RAMSES

Ir. Paul van Kempen
Operational Director



Welkom, sluit je aan bij ons netwerk

We hebben vier lidmaatschapstypen: brons - zilver - goud - platina

ABB ABB	ROTTERDAM ΔHOY Alloy	algo Algo	alltander Alltander	ASG Alpha Storage Group	ASML ASML
avans Avans Hogeschool	bam BAM Infra Assetmanagement	Coca-Cola PARTNERS COEP	CHAINABLE Chainable	CORUS SUITE Corus Suite	CreonvolutaSolus CreonvolutaSolus
curio Curio	EMIXA Emixa	Eneco Eneco	EQUANS Equans	fectar Fectar	FMI ImProvia FMI ImProvia (Smart Industry)
Parker Parker Services Group	Fortis Fortis	gotia Gestia	GEERLOFS Geerlofs	Gematria Brda Gematria Brda	GMT GMT Benelux BV GMT Benelux
GOUDA Gouda Voortra Service	heijmans Heijmans Infra B.V.	HE LLO NEW DAY Hello New Day	HOGESCHOOL UTRECHT Hogeschool Utrecht	Hogeschool van Amsterdam Hogeschool van Amsterdam	UNIVERSITY OF APPLIED SCIENCES Hogeschool Zeeland
Rijnland Hoogheemraadschap Rijnland	HUNTSMAN Empowering (new) through innovation	ifm electronic ifm electronic	USSEL Ussel	IMS INTERNATIONAL IMS International	
ingenieursgroep nederland Ingenieursgroep Nederland	KIVI Koninklijk Instituut van Ingeni	kpn KPN	marel Marel Poultry	maxgrip MaxGrip	gasunie Nederlandse Gasunie
NS Techniek NS Techniek	NVD NVD	nyrstar Nyrstar	ORTEC ORTEC	pdm PDM	perfect GROUP Perfect Group
ProRail ProRail	iro Raad voor de Gas en Gas Ind	radio center RadioCenter	RET Rijkswaterstaat	Scalda RCC Scaldia	
ROCTILBURG ROCTilburg	Samotics Samotics	Schiphol Schiphol	SDU.CO SDU.CO	SERIOUSVR SeriousVR	SLF SERVICES UNIVERSITEIT TWENTE Service Logistics Forum
SHM SHM	sitech Sitech	SPIE SPIE	STORK Stork	TECONA Ticona	UNIVERSITY OF TWENTE University of Twente
Verebus Verebus Engineering	VIRAKLE Virakle	Watermat Watermat	Waterstof De Dommel Waterstof De Dommel	WVL Waterstof De Dommel	Worley Worley

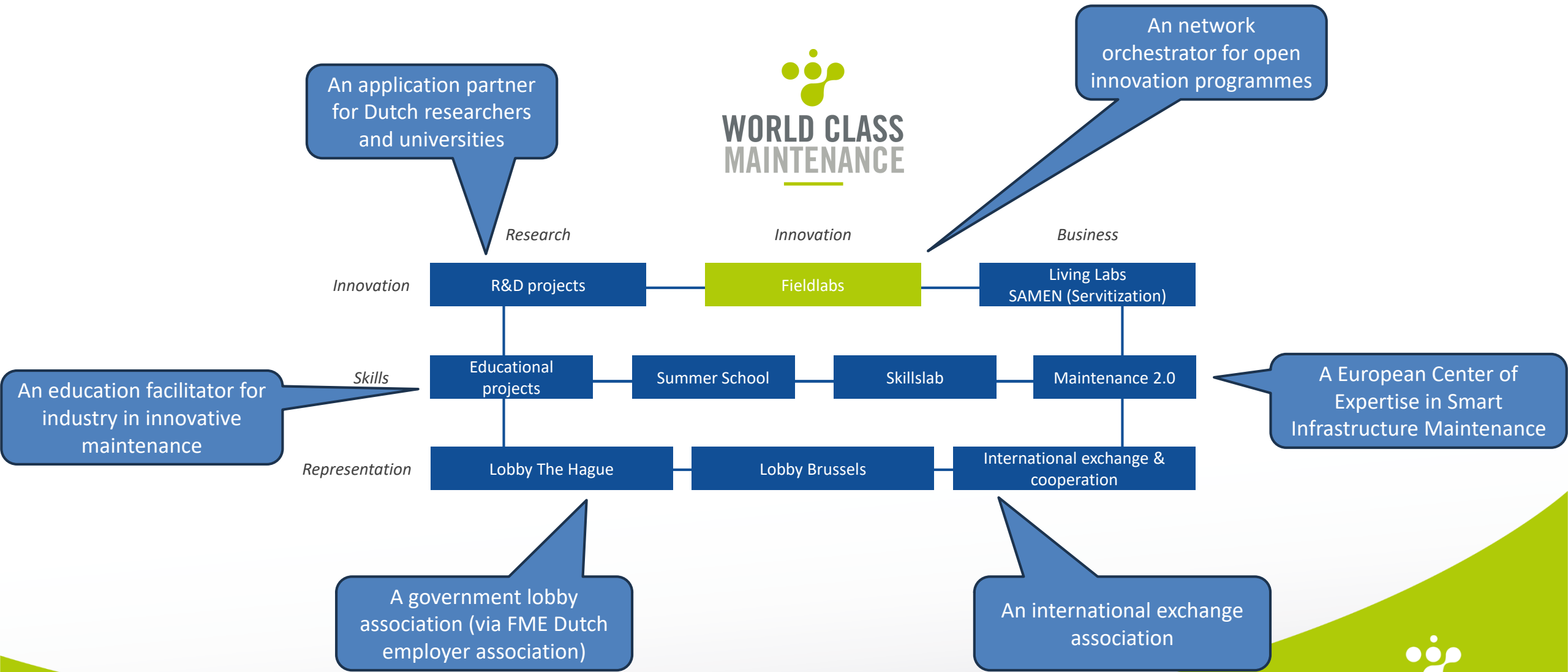
Platina: meebeslissen

Goud: projecten mede opzetten

Zilver: meedoen in projecten

Brons: kennis delen, lobbyplatform

WCM is many things



WCM Open Innovation Fieldlab Projects: Bridging “the Valley of Death” for maintenance innovations

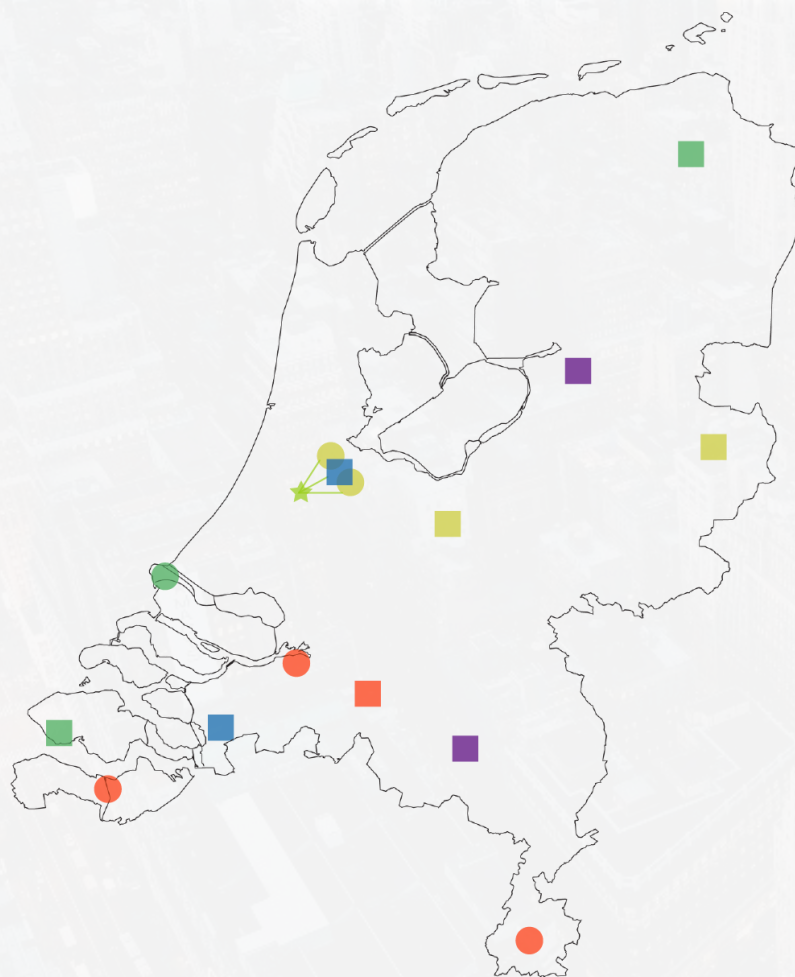


Breda

Rijen

Zoetermeer

Vlissingen



SECTOREN

Procesindustrie

Energie

Luchtvaart

High-Tech

Infrastructuur

Hoofdlocatie

Verbindingslocatie

Fieldlab hoofdlocaties

CA₁ CA₂ CO HO SA SK VA

AT HB LS RS ZE

AM

CA₂ RA SA VA

CM VA PA

★ samenwerkingsverband
tussen sectoren



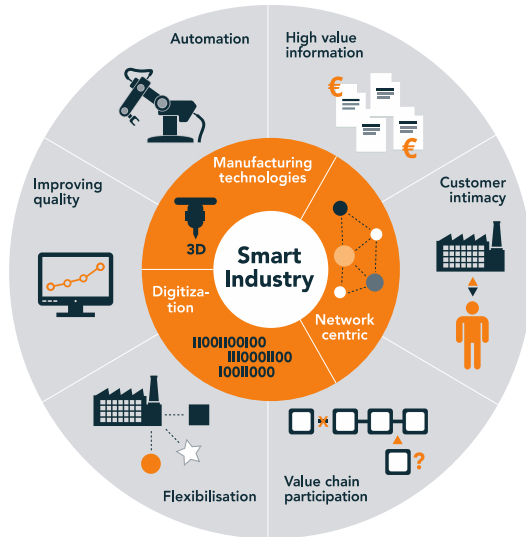


October 2015



November 2016

Smart Maintenance

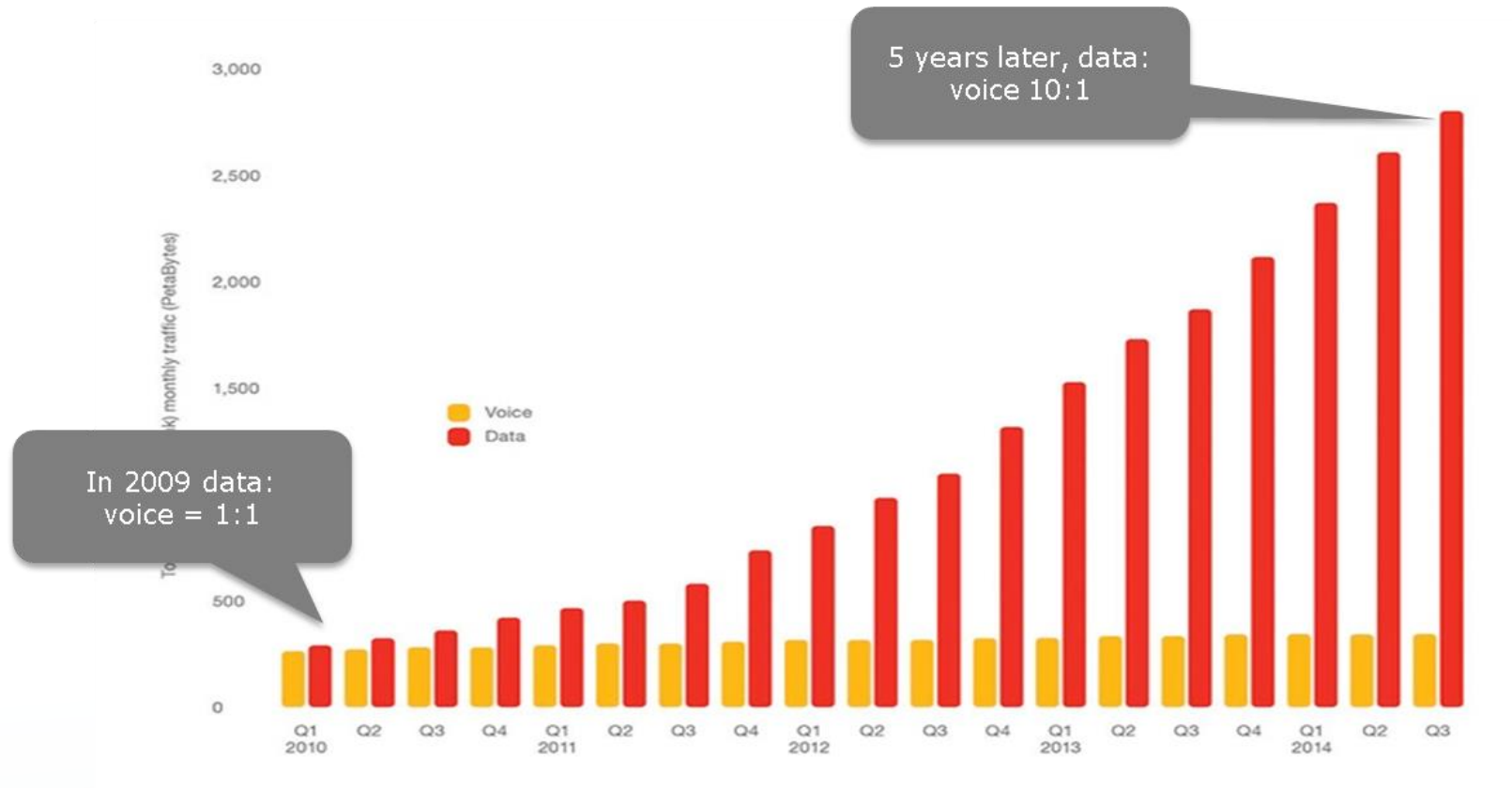


Goals



- 100% predictive maintenance
- By using Smart Industry techniques and methodologies
- Stimulating the economy (incl. export), sustainability and safety

Exponential growth of use of data



“DATA PRODUCTION will be 44 TIMES greater in 2020 than it was in 2009”

*[Bron: Ericsson August 2014](#)

Fieldlab CAMPIONE

Condition-Based Maintenance for the Process Industry – Open Network Environment



- First Smart Industry Fieldlab in The Netherlands
- 100% predictive maintenance for the process industry
- 36 partners
- 12 MEURO
- 4 years

