

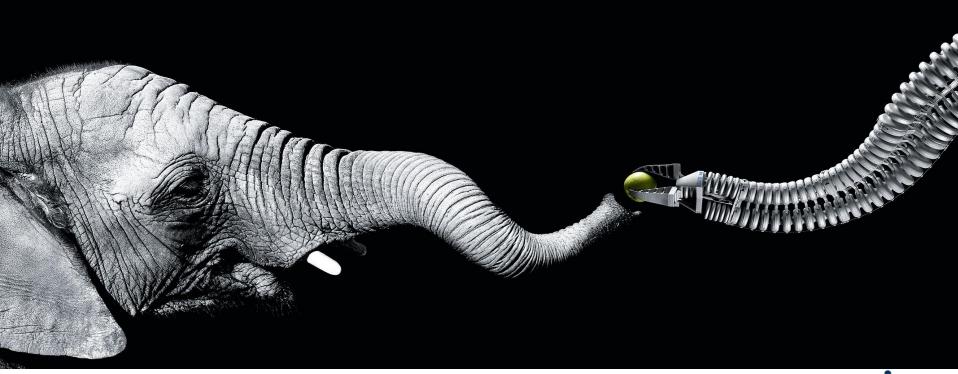
## What SMART Technology implies for the industry of the future

Lee Annamalai
CAM SMART SYSTEMS



## Customised Customer Experiences





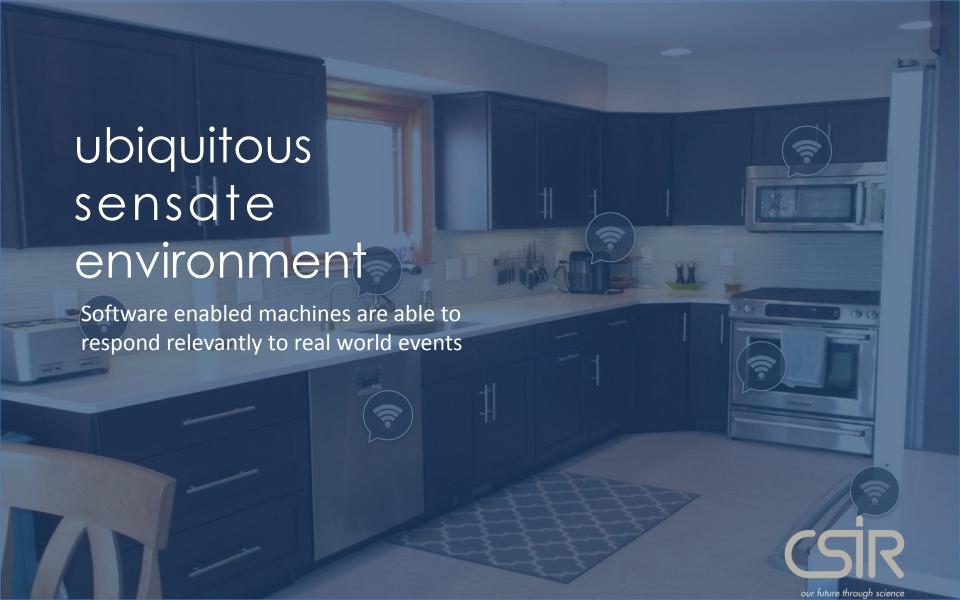


### When Cyber meets Physical When Cyber meets Physical









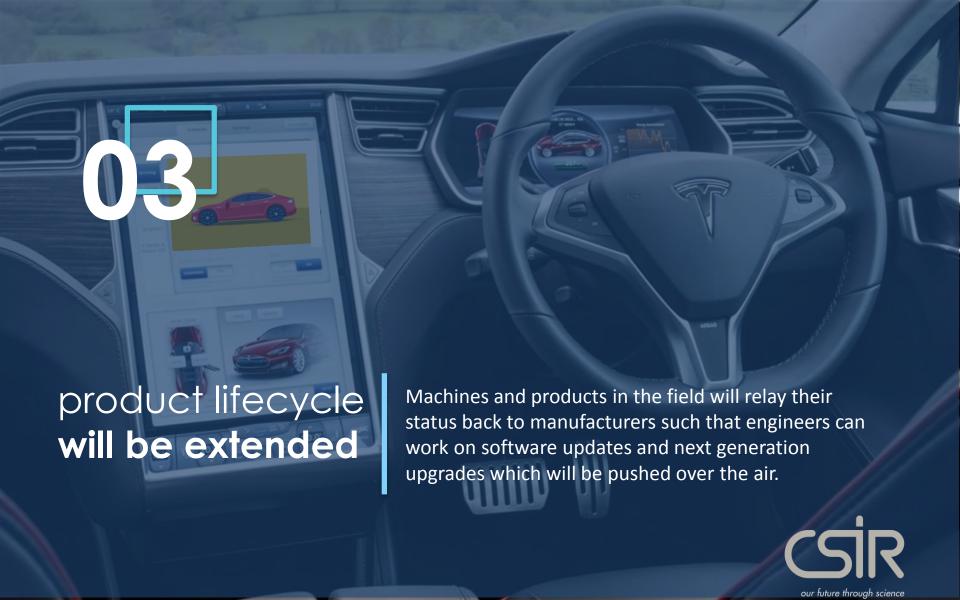


## Top reasons companies want to implement IoT Solutions

Improvin	g quality o	of service/p	roduct						-11-11	47%
improvir	ng product	ivity			-					4/%
				1200	W TO LLOS		_		-	45%
increase	reliability	of operatio	ons	WA (A)		7		7	•	44%
reducing	cost of ma	aterials and	l waste							37%
accessing	g new cust	omers					Z.			35%
increase	customer	satisfaction				The same	7			
insights f	or new pro	oducts and	services o	or cost sav	ings					34%
1110161112										33%
					1/			2016 Bain a	nd Company	y Industry Survey
0	5	10	15	20	25	30	35	40	45	50









Products become

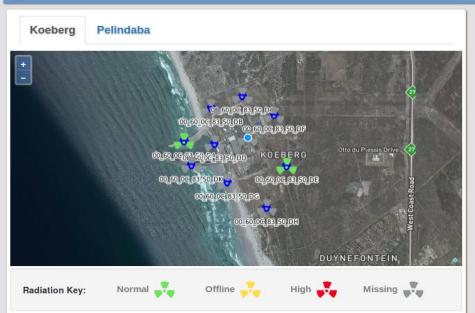
service intensive

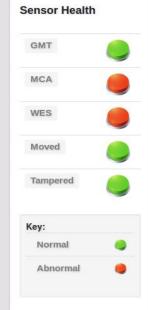
Products, as advanced as jet engines are instrumented down to individual turbine blades, enabling data to be analysed retrospectively and in realtime such that the appropriate maintenance can be determined and scheduled.

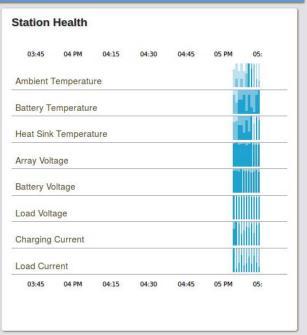


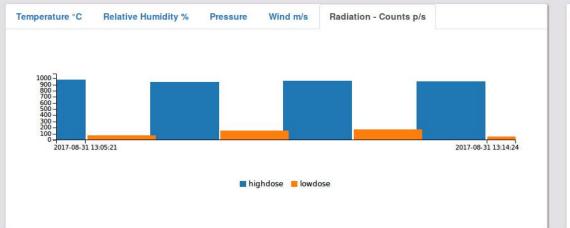
# SMART SPATIAL-Solution for Regulatory Compliance

#### NNR Online Radiation Monitoring System









#### Latest Observations at selected station

Time	Property	Value	Units
2017-08-31 13:15:30	device_tampered	true	
2017-08-31 13:15:36	gmt_error	true	
2017-08-31 13:15:37	wind_direction	1	degrees
2017-08-31 13:15:38	temperature	21	celcius
2017-08-31 13:15:38	humidity	34	%
2017-08-31 13:15:39	wind_speed	5	m/s
2017-08-31 13:15:39	pressure	82	kPA
0017 00 01 10 11 01	12 K 1	0.47	

#### **Digital Disruption in Publishing**



#### Human Technology

Develop speech and language-related technologies for the South African context to enhance access to information and communication

Author Publisher CSIR – HLT Developers



Audio producers Accessibility format provider Digital Publisher eBook Aggregator



SPEECH TECHNOLOGY

13



Technical challenges that still reduce wide scale adoption

interoperability

information transparency

decision support tools

decentralised decision making



## Connectedness driving new business models

The interesting challenge is to be able to continuously imagine the future world and keep pace with the change so industries remain relevant and competitive







#### **Thank You**

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