AkzoNobel

Industry 4.0

Mo Chowdhury
Innovation Incubator

Trusted global and local brands

Our world class portfolio of established brands is trusted by customers around the globe.















RESICOAT











POLYDURE













A global paints and coatings company

AkzoNobel



13.9%

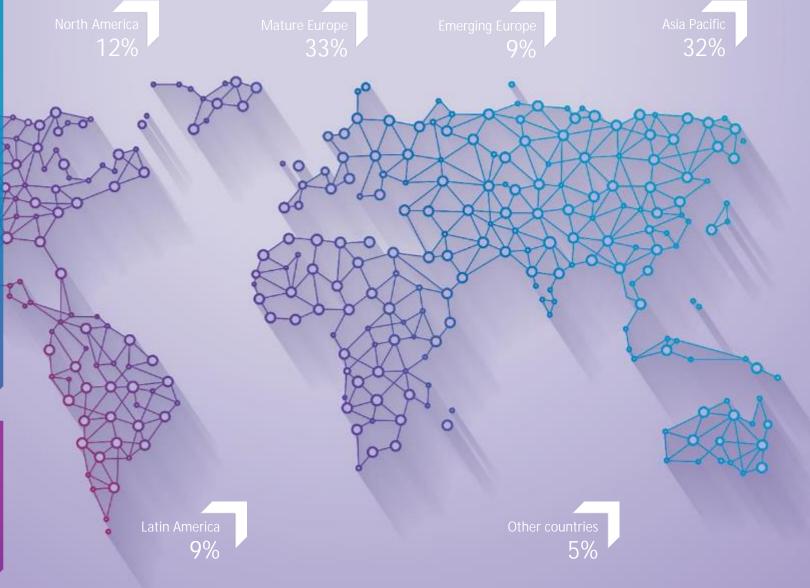
35,700

ROI

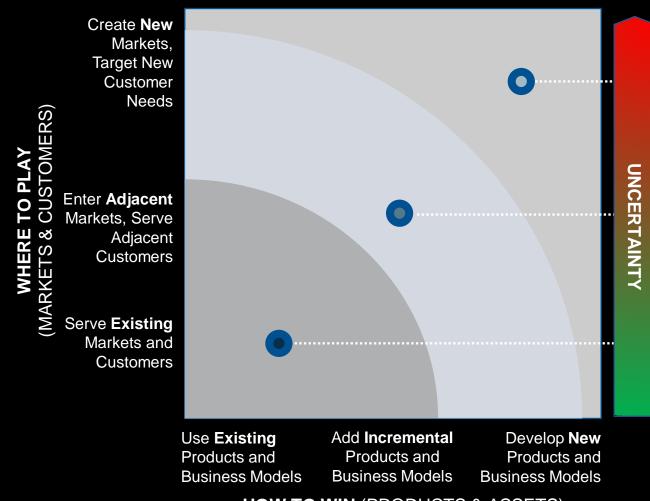
employees

Business activities

- **¬** Decorative Paints
- **¬** Powder Coatings
- **¬** Marine and Protective Coatings
- **¬** Automotive and Specialty Coatings
- **¬** Industrial Coatings



Innovation can take place on three distinct levels



TRANSFORMATIONAL

Developing breakthroughs and inventing things for markets that don't yet exist

DIFFERENTIATED

Expanding from existing business into "new to the company" business

INCREMENTAL

Optimizing existing products for existing customers

HOW TO WIN (PRODUCTS & ASSETS)







Digital at the core

Value from efficiencies

Customer and AkzoNobel operations



Customer experience

Value is coupled to volume

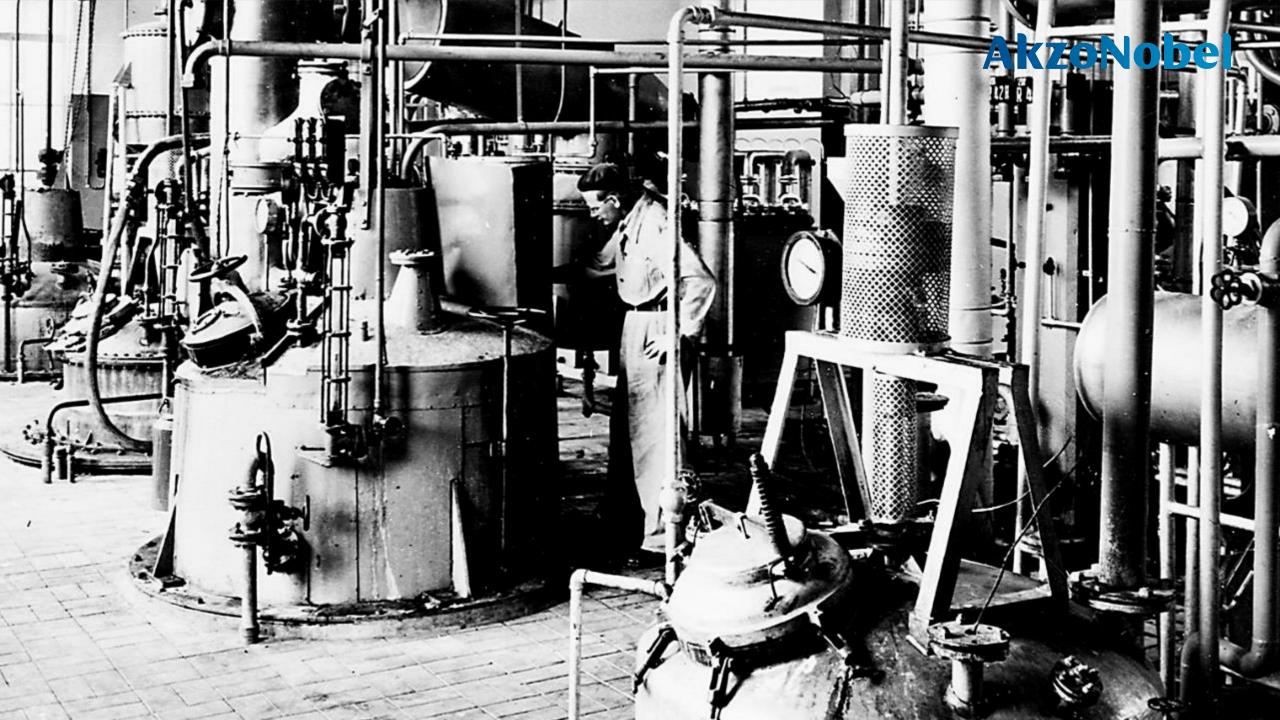
Enhanced marketing and aftersales



New business

Value is decoupled from volume

New business models







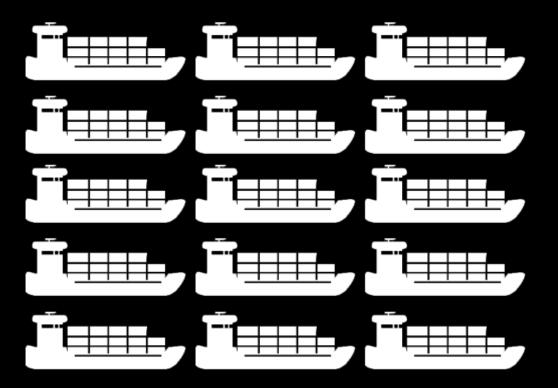
Digital Business Models



Digital Business Models



2015





The internet of things, or IoT, is a system of interrelated computing devices, mechanical and digital machines, objects, animals or people that are provided with unique identifiers and the ability to transfer data over a network without requiring human-to-human or human-to-computer interaction.









Side profile

Connection to ship power source Controller/data logger Power cable Power pad Test tiles

Cable could enter ship structure via a suitable access point

The Impact

The cost of Invasive Aquatic Species

Apart from the cost (UK estimate is 45 million per annum), IAS can cause a number of problems affecting port operations such as:









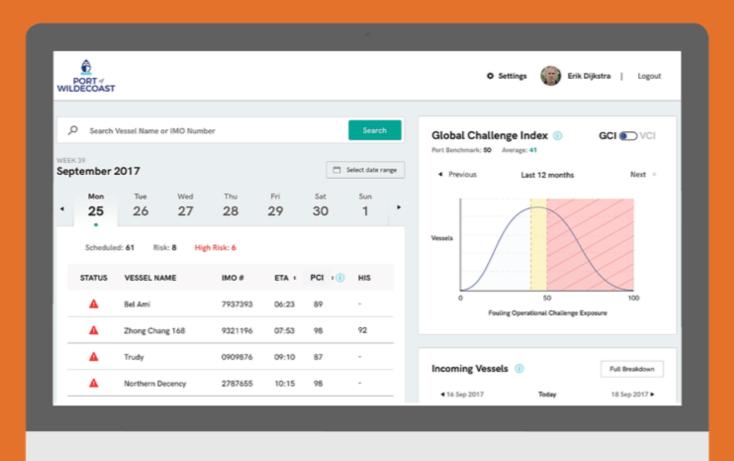






Safinah AkzoNobel

- Environmental data
- Real time vessel movements
- Level of fouling
- Fouling prevention
- Cleaning schedule
- Last dock entry





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Summary

We are at the start of our Digital at Core journey

We are well underway implementing new business models

Check out our open innovation challenge "Let's Paint the Future"

Questions?