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Innovation in the Marine Environment

Blue Skies Thinking for Blue Growth - Atlantic Area Seminar

What is a Design Thinking Mindset

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30th May 2018

Cork County Hall, Vertigo

11:30 – 12:30 pm



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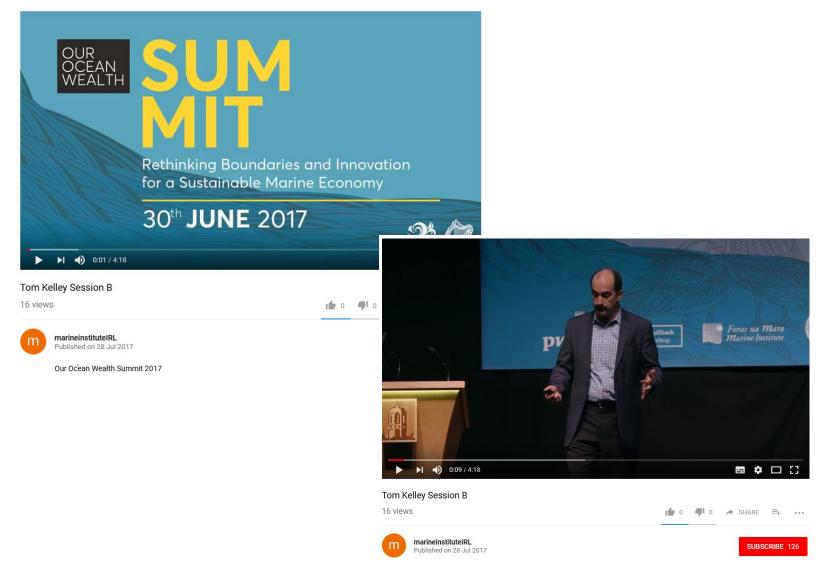
Innovation Lecturer

Irish Management Institute





Rethinking ways of innovating ...



Today's Topics

30/05/2018 11.30-12.30pm

Topic: What is a Design Thinking Mind-set

30/05/2018 13.30-15.00pm

Workshop: Design Thinking and Doing using Tools

- Using the Job Grid to Explore for Opportunities



Increasing Rate of Disruption



Democratisation of Disruption



Source: https://www.youtube.com/watch?v=Fkd9TWUtFm0

"The distance between an idea and the digital realization of that idea is now so short - so cheap and so quick - that a bright twelve-year-old can do it".

James McQuivey VP, Forrester

"A lot of kids these days like to play games. But now they want to make them" ... The distance between any idea and its digital realization is shrinking at an enormous rate ... We are evolving towards a digitally disruptive economy - a world in which everyone has the tools they need to bring their ideas to the market, test them, refine them, and eventually disrupt the status quo ... and at almost zero cost.



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Rolls-Royce, Google Join Forces on Making Autonomous Ships a Reality



Image Courtesy: Rolls-Royce

Rolls-Royce has inked a deal with Google to develop further its intelligent awareness systems which are believed to make existing vessels safer and are essential for autonomous ships to become a reality.

The agreement, said to be the first of its kind in the marine sector, was signed at the Google Cloud Summit in Sweden on October 3. It allows Rolls-Royce to use Google's Cloud Machine Learning

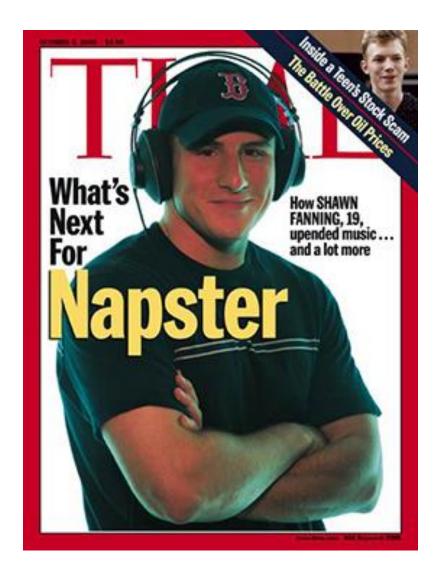
Engine to further train the company's artificial intelligence (Al) based object classification system for detecting, identifying and tracking the objects a vessel can encounter at sea.

"While intelligent awareness systems will help to facilitate an autonomous future, they can benefit maritime businesses right now making vessels and their crews safer and more efficient. By working with Google Cloud we can make these systems better faster, saving lives," Karno Tenovuo, Rolls-Royce, SVP Ship Intelligence, commented.

As disclosed, Rolls-Royce will use Google Cloud's software to create machine learning models which can interpret large and diverse marine data sets created by Rolls-Royce. Data will be prepared to train models, ensuring that it is relevant and in sufficient quantity to create statistical significance. As part of the machine learning process, the models' predictions are evaluated in practical marine applications, allowing the models to be further refined.

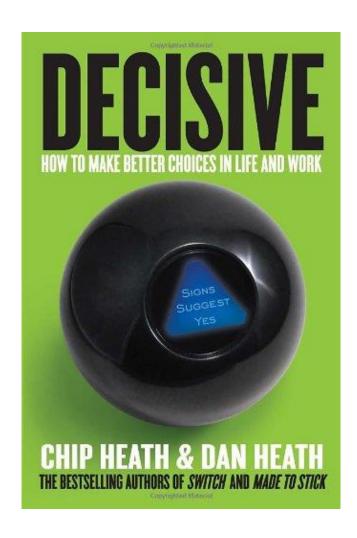
Source:https://worldmaritimenews.com/archives/231392/rolls-royce-google-join-forces-on-making-autonomous-ships-a-reality/

Emergence of a Digital Mindset



Source: http://www.billboard.com/biz/articles/news/digital-and-mobile/1552508/qa-sean-parker-and-shawn-fanning-on-downloaded-the

But we make poor decisions ...



Source: http://www.amazon.com/Decisive-Make-Better-Choices-Life/dp/0307956393

Finding new responses ...



"If you want something new, you have to stop doing something old"

- Peter Drucker

Ten Bruising Innovation Lessons

[Justification for Design Thinking]



Falling into the Specification Trap...



Source: http://2.imimg.com/data2/RX/XX/MY-4291542/oxygenmask-250x250.jpg



Framing the problem ...



Building empathy ...



THREE PREGNANT DADS







Source: http://3pregnantdads.com/

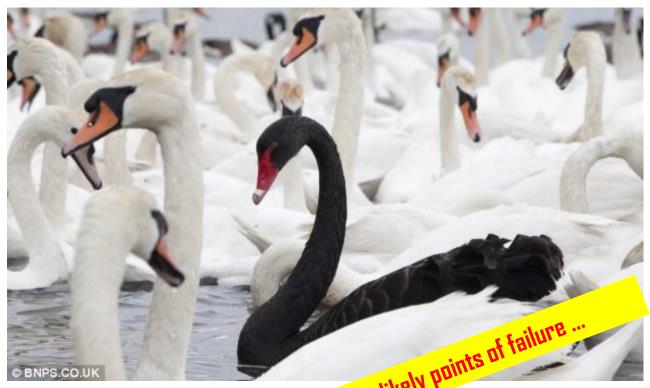
Creating a bias for doing ...





Focusing on points of failure





The jet black swan has arrived at Alexandery in Dorset and set up home with the resident 60 with the most like wannery in Dorset and set up home with the resident 60 with the most like wannery in Dorset and set up home with the resident 60 with the most like wannery in Dorset and set up home with the resident 60 with the most like wannery in Dorset and set up home with the resident 60 with the most like wannery in Dorset and set up home with the resident 60 with the most like wannery in Dorset and set up home with the resident 60 with the most like wannery in Dorset and set up home with the resident 60 with the most like wannery in Dorset and set up home with the resident 60 with the most like wannery in Dorset and set up home with the resident 60 with the most like was a set up home with the resident 60 with the most like was a set up home with the resident 60 with the most like was a set up home with the resident 60 with the most like was a set up home with the resident 60 with the most like was a set up home with the resident 60 with the most like was a set up home with the resident 60 with the most like was a set up home with the was a set up home with the most like was a set up home with the was a set up home w

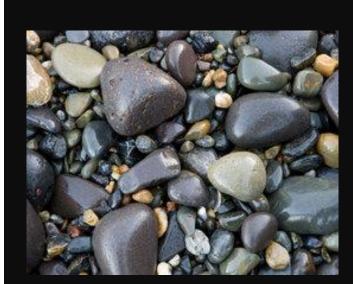
We need to start v

Faking it before making it



Failing in order to Succeed ...

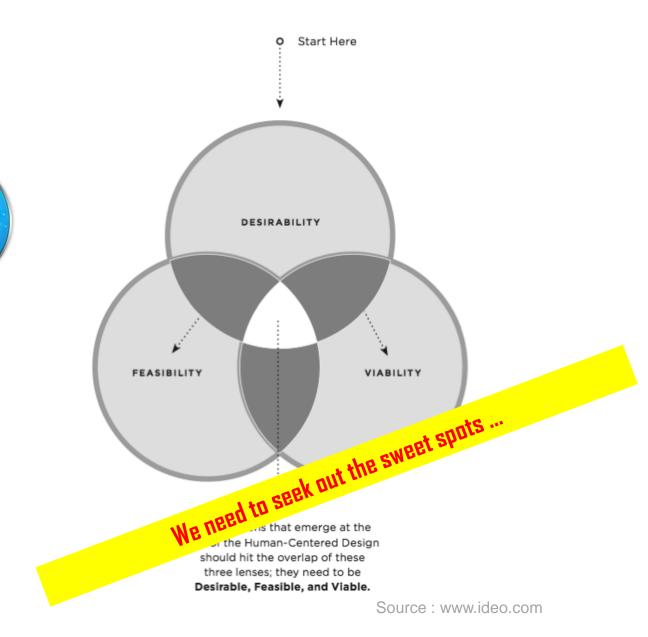




"Position yourself to fail small in order to Succeed Big ..."

We need to fail rather than Fail

Finding the sweet spot ...



Working in the weeds ...



Don't Waste

9



Thinking like a designer ...



Thinking Differently

Design Mindset is ...



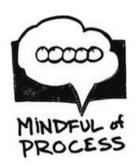






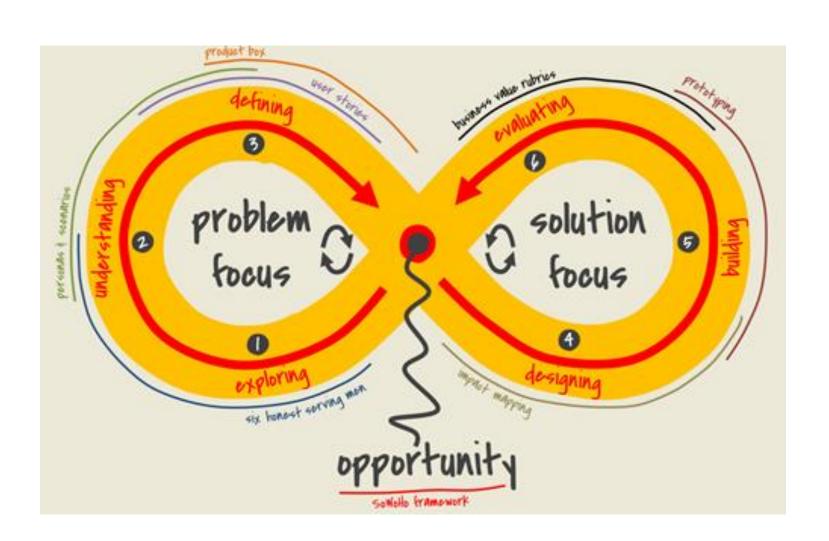








Design Approach is ...



An innovation mindset ...

What Kind of Mindset Do You Have?



I can learn anything I want to.
When I'm frustrated, I persevere.
I want to challenge myself.
When I fail, I learn.
Tell me I try hard.
If you succeed, I'm inspired.
My effort and attitude determine everything.



I'm either good at it, or I'm not.
When I'm frustrated, I give up.
I don't like to be challenged.
When I fail, I'm no good.
Tell me I'm smart.
If you succeed, I feel threatened.
My abilities determine everything.

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Many Thanks

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