



Democratisation of Risk





Or... How to Change the way you think about Risk...

Presenter



RICHARD WOOD / VP INTERNATIONAL SALES



Agenda

- Why is managing risk so much more important all of a sudden??
- The benefits of doing it right
- Some examples
- What does Democratisation look like?
- Conclusions









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Source: Industrial Megaprojects by Edward W. Merrow







Current Trends in Capital Projects



Accenture's «Ten Current Trends in Capital Projects»





DR McNatty: 5 TRENDS IN RISK MANAGEMENT

- 1. Project Controls is not just about cost, resource, and schedule anymore. It's about risk as well.
- 2. Executive level involvement is increasing
- 3. Higher frequency of reviews



- 4. Growing Demand for portfolio level risk assessment
- 5. New risk practices are emerging, and require new technologies to execute.



What does this mean?



➤ Risk is becoming increasingly important to an organization's success and this trend will accelerate.

Frequent reviews and portfolio level assessment are the driving force behind a shift in how organizations are handling risk.



➤ Dedicated resources specifically focused

on risk analysis and mitigation

will gain greater importance within organizations.

Agenda

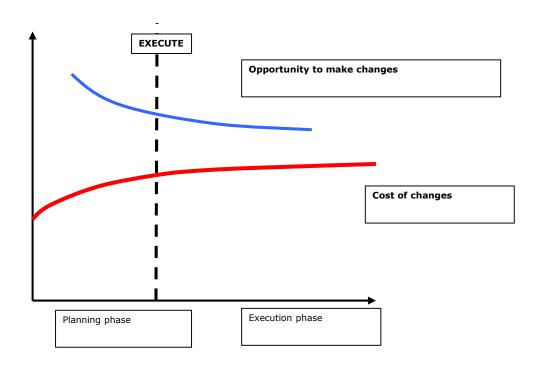
- Why is managing risk so much more important all of a sudden??
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Risk: Influence on cost and schedule



The importance of early recognition and mitigation





Risking the entire Portfolio

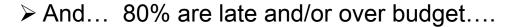
For a top 5 Energy company...

80% of projects

- > Are budgeted < \$50m
- Contribute 20% by portfolio value

20% of projects

- > \$50m are risk adjusted
- > Contribute 80% by value









Integrating Risk into the Community....

- Driven by a simple embedded business process for all
- From initial schedule planning through to complex risk analytics
- Provides Risk Ready schedules
- Process driven guarantees healthy analytics
- Allows modelling of composite risks
- Allows easy communication of risk impacts
 for decision making at all levels of project



- Enterprise data ensures availability of 'lessons learnt' for risk mitigation
- Allows you to create future scenarios based on optimising projects and on risk mitigation activities





Selected Mega Projects

Statoil Gudrun Platform



AHUS Hospital



Meyer Turku Shipbuilding



Oslo Airport - Terminal 2



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About Safran

We provide world-class enterprise project & risk management software, with over 20 years of successful project delivery experience in some of the most demanding markets. Our solutions are proven & trusted by thousands of project management professionals around the world.



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Sample Customer List















resources & energy

WorleyParsons

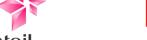


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Shaping the future.















ZAVINOR OSLO AIRPORT

































RAMBOLL



















Uncertainty vs Risk

How long does it take me to drive home from work?

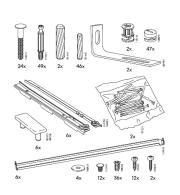


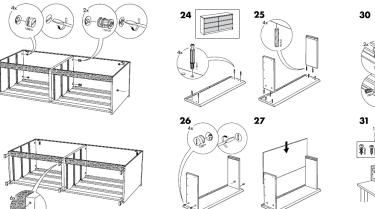


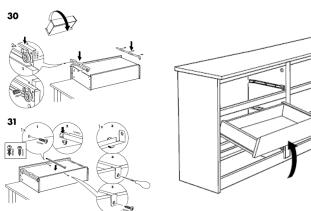




Estimating activity durations











Uncertainty vs risk

Duration uncertainty

 It takes me 20 min, but actually anything between 15 and 35 minutes is most likely. If i have an appointment I always add an extra 10 minutes.

Risk

- If an accident occur it is likely to delay me by..
- If I start late from work is likely that I will use 25 min more than normal.
- If I start even later, I will cut travelling time by 5 minutes







Uncertainty vs Risk

Duration uncertainty

We are not certain that we will be able to cover all planned topics and demos within the allocated 30 minutes for this slot or if we have planned enough topics to fill the slot.

Risk

If the start of this presentation is delayed due to the audience arriving late (risk) we may not be able to accelerate to finish on time.

If there are many questions raised from the audience, (that's always a risk) it will take longer time and wee need to either extend or cancel something.

If we have a power failure....

If the computer shuts down....





Parallel Product Positioning

The Best of Both Worlds.....



Core functions for Risk management by Operations teams Seamlessly included within Safran Project for fast processing Aimed at Project Managers and delivery teams Single User Interface for ease of use Integrated analysis and reporting



Industrial strength Risk Management
Stand alone dedicated application
For dedicated Risk Managers
Fullest Functionality available
Seamless integration to P6; Safran Project







Safran Integrated Risk; SRA

All schedules are "risk-ready" before any analysis takes place.

 By combining schedule, costs, discrete risks and risk factors powerful and meaningful models can be built very quickly.



 Risk reporting is integral and simple to understand and produce, providing communication and collaboration around the risk management process in near and real time.



Integrated Risk Mgt

"Embedded Risk"







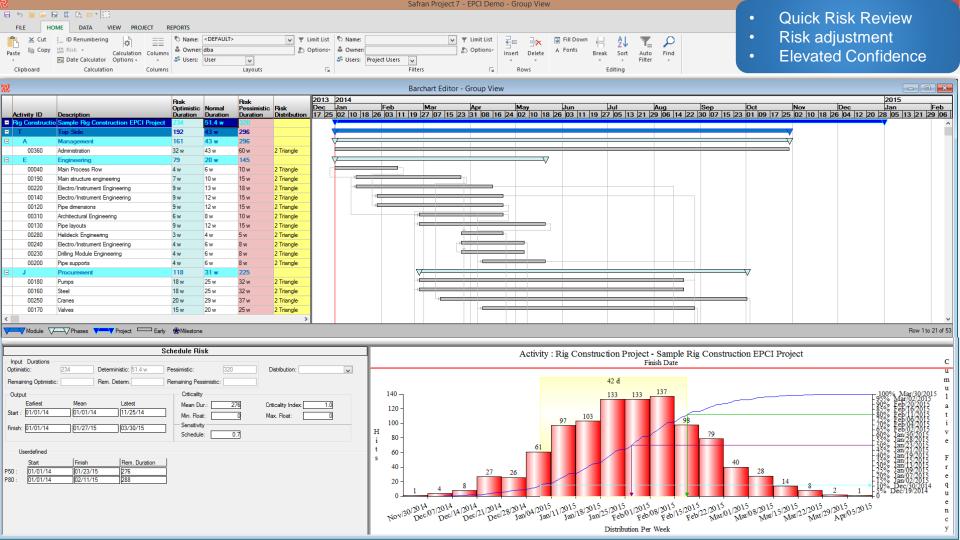
Planning & Scheduling

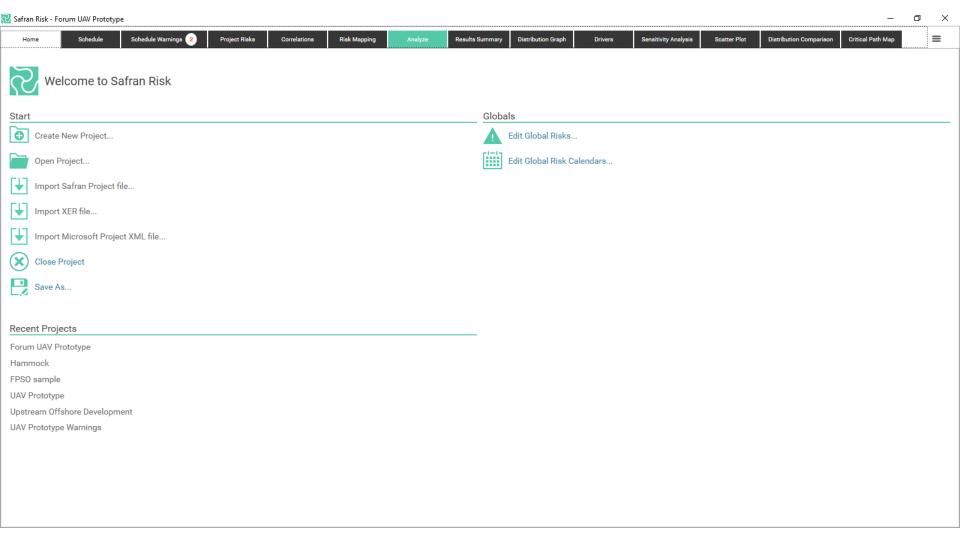


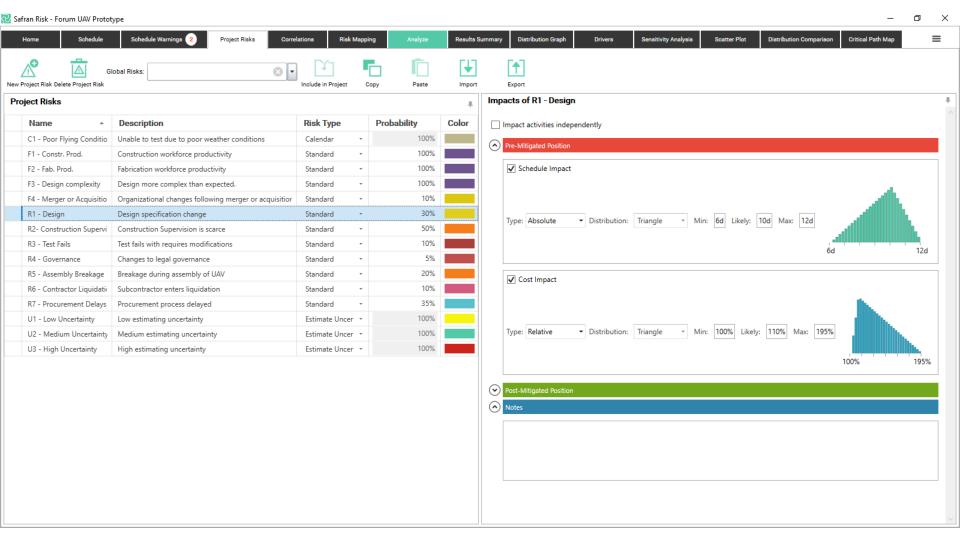
ntegration

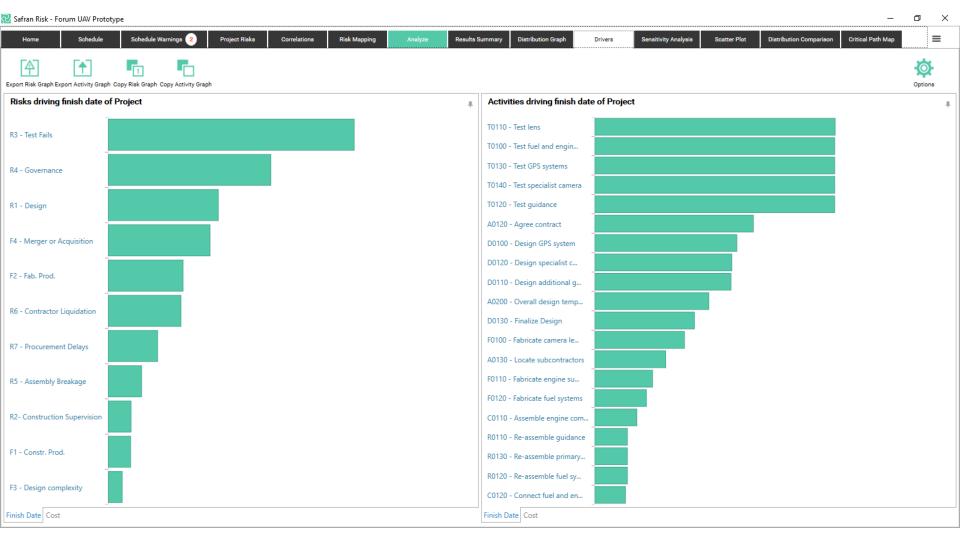


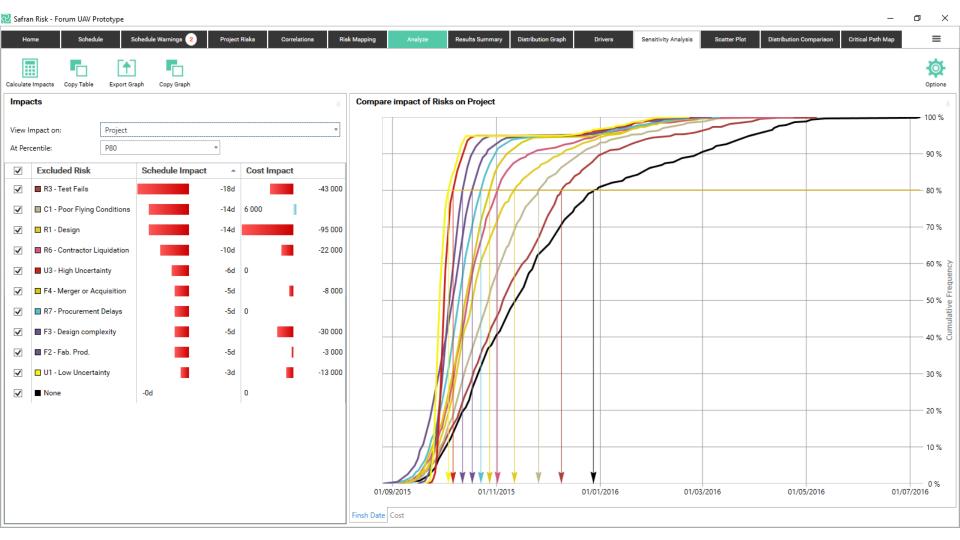
Scheduling & Resource Mgt

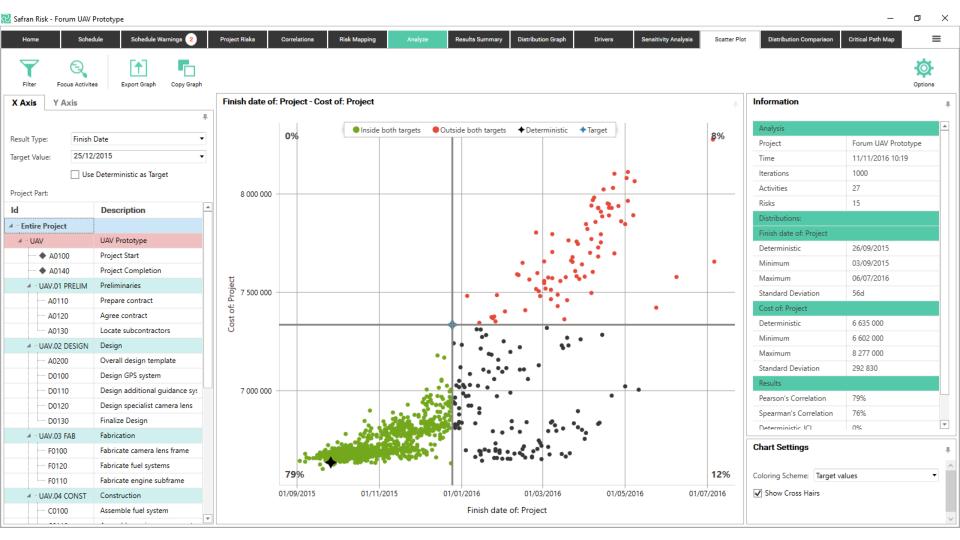
















SRA vs Safran Risk

SRA

- Optional Integrated part of Safran Project
- Target audience is Planner and schedulers
- Focus is uncertainty on activity duration estimates
- 3 point estimates on duration only
- Monte Carlo Simulation on possible durations
- Key output is duration distribution, probability and criticality index.

Safran Risk

- Enterprise Quantitative Risk Application
- Target Audience is Risk Professionals
- Estimate uncertainty + Risk events that influence activity durations and cost
- Correlation between Risks
- Advanced reporting and analysis
- Risk drivers
- Exclude Risk from analysis
- Weather modelling/Risk calendars
- Risk trending over time
- Combined confidence level of both

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Accenture, DR McNatty, McKinsey and Merrow

They can't all be wrong....













Unlock the benefits of Risk in your Community





Democratise!









Questions?

Comments?

