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Risk Management & Innovation

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Risk Management & Innovation

"One's ability to generate innovative ideas is not merely a function of the mind, but also a function of behaviors."

Matthew L. Breault, Special Projects Director for PMI Space Coast 2016 Space Congress



About PMI



Professional Development

Community Involvement

Leadership Conferences

Grants and Scholarships

420+ Members

Interactive



We learn from experiences so share your insights and perspective.

Why This?

Projects' complexity is increasing.

There is more pressure for companies to innovate.

The PMBOK establishes Risk Management as increasing the likelihood of positive events and decreasing the chances of negative events.

Project mangers are in one of the best positions to recognize opportunities for businesses.

What we're going to talk about



Risk Oversight



Over by \$600 Million



14X Budget

Where do we see it?

- Finance
- IT
- Infrastructure
- Aerospace
- Automotive
- Buildings
- Supply Chain
- Residential
- Retail

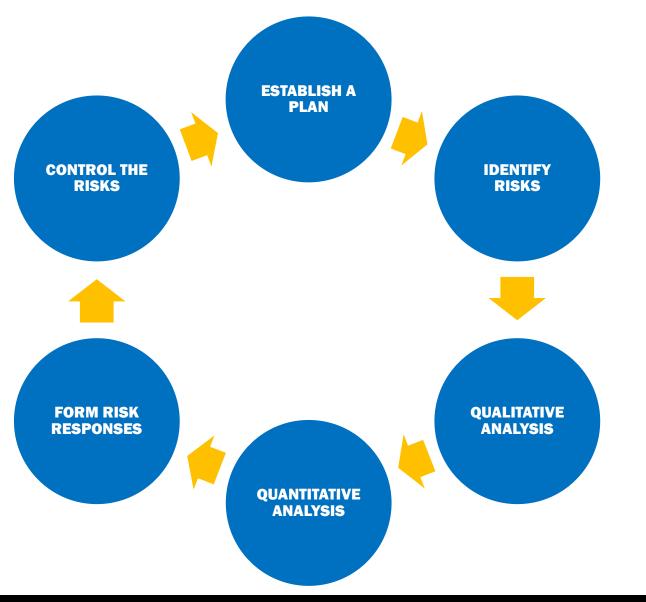
Positive Perspective about Risk Management

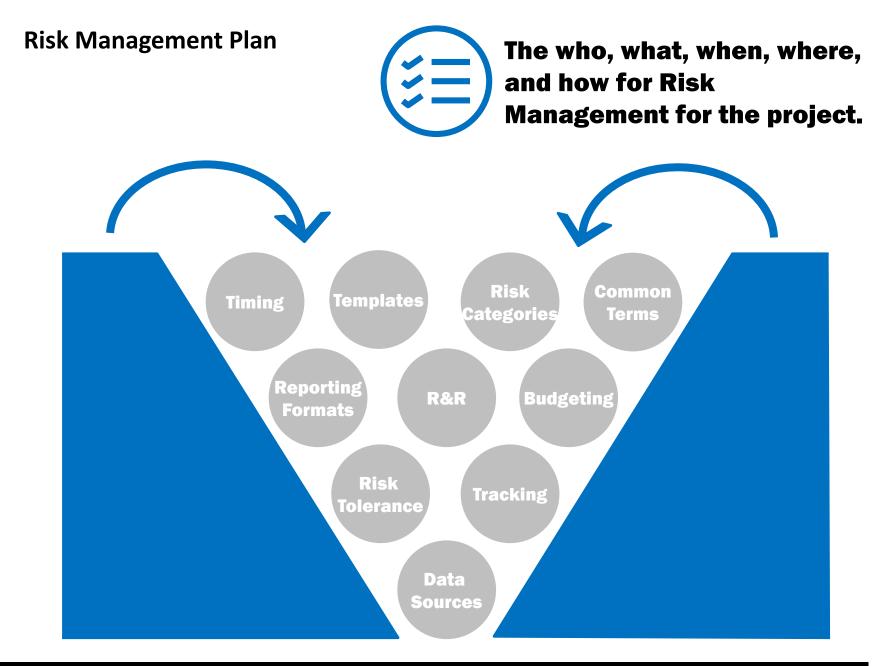
What are some common reasons why risk management isn't always used?

- Too overwhelming
- PMs don't want to hear it
- Nothing we can do about it
- Could be taken as criticism
- We'll just make sure it doesn't become a problem
- Shoot the messenger mentality

Can Risk Management be effective without a positive approach?

The Process





Identify

Brainstorming

• What is the risk?

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- Why would it occur?
- Delphi technique
- "The project failed! Why?"
- "The project was flawless! How did you do it?"

- Anonymity
- Phrase the question differently
 - What are your hopes and fears?
 - Where is this project
 - vulnerable?
 - Where is the schedule the most stringent?
 - What could effect our critical path?

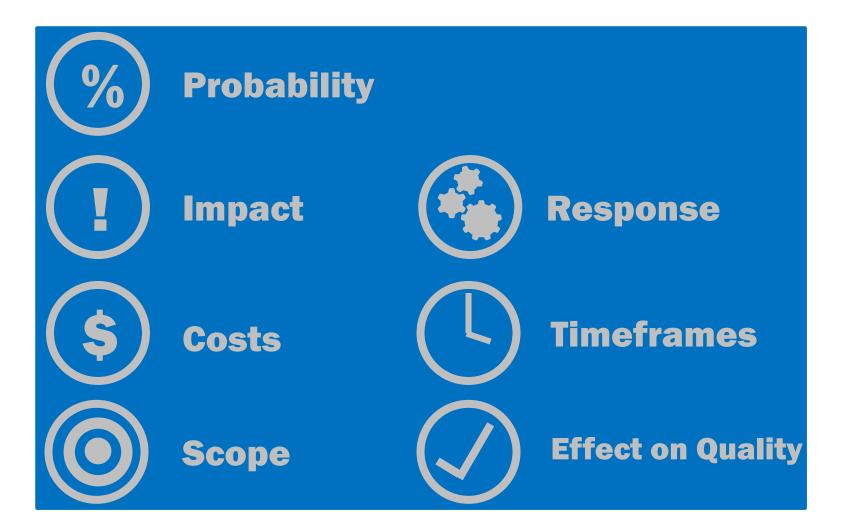
Identify

(?)

Questions to Consider

Forward- Looking Risk Assessment	Risk Ownership	Risk- adjusted Processes	Risk Governance	Risk Culture
Which risks is the project facing? What is the potential cost of each risk? What are the potential consequences for the project's later stages as a result of design choices made now?	Which stakeholders own which risks? What risk-management issues do each of the stakeholders face, and what contribution to risk mitigation can each of them make?	What are the root causes? What adjustments can be made to mitigate the risks?	How can individual accountability and responsibility for risk assessment and management be established and strengthened across all lines of defense?	What are the specific desired mind-sets and behaviors of all stakeholders across the life cycle and how can these be ensured?

Qualitative & Quantitative Analysis



Risk Register

RISK REGISTER									
Deliverable Phase or Component	Risk Event	Impact	Probability	Risk Rating	Urgency	Reasons for Risk	Response	Person Assigned	Status / Solution

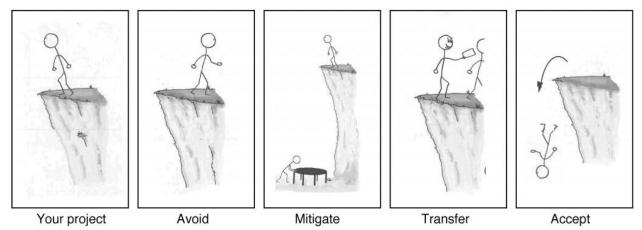
RISK EVENT CARD (VW Brazil)						
Strategic Objective	Risk Event	Outcomes	Risk Indicators	Likelihood / Consequences	Management Controls	Accountable Manager
Guarantee reliable and competitive supplier-to- manufacturer processes	Interruption of deliveries	Overtime Emergency freight Quality problems Production losses	Critical items report Late deliveries Incoming defects Incorrect component shipments	5 4 3 2 1 1 2 3 4 5	Hold daily supply chain meetings with logistics, purchasing, and QA Monitor suppliers' tooling to detect deterioration Risk mitigation initiative: Upgrade suppliers' tooling Risk mitigation initiative: Identify the key supply chain executive at each supplier	Mr. O. Manuel

Risk Register

DICK	DEDOF		
KISK	REPUR	(I CARD	(VW Brazil)

STRATEGIC OBJECTIVE	Assessed Risks	Critical Risks	Trend
Achieve market share growth	4	1	\longleftrightarrow
Satisfy the customer's expectations	11	4	1
Improve company image	13	1	
Develop dealer organization	4	2	\longleftrightarrow
Guarantee customer-oriented innovations management	5	2	Ļ
Achieve launch management efficiency	1	0	
Increase direct processes efficiency	4	1	
Create and manage a robust production volume strategy	2	1	Ļ
Guarantee reliable and competitive supplier-to- manufacturer processes	9	3	$ \longleftrightarrow $
Develop an attractive and innovative product portfolio	4	2	Ļ

Plan Responses







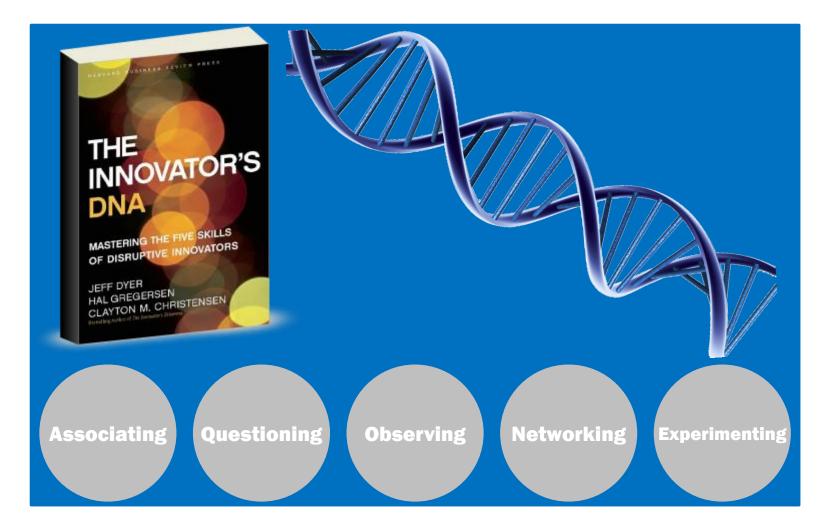


Opportunities

Avoid – Eliminate the threat or protect the project from it's impact Transfer – Move the impact, ownership, and response to another party Mitigate – Team acts to reduce the probability or the impact Accept – Acknowledge the risk and don't take any action unless the risk occurs (typically low probability and impact or can't do anything about it) Exploit – Taking action to ensure the opportunity happens Enhance – Acting to increase the probability of impact Share – Teaming with a third party to also benefit from the opportunity Accept – take no action to enhance

the opportunity

The Innovators DNA, Why a project manager is setup for innovation success



"One's ability to generate innovative ideas is not merely a function of the mind, but also a function of behaviors."

"I have not failed. I've just found 10,000 ways that do not work."

[•]Malcolm Gladwell on the importance of stubbornness

Associating

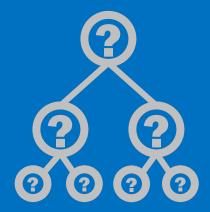
Intersections

"When you ask creative people how they did something, they feel a little guilty because they didn't really do it, they just saw something...they were able to connect experiences they've had and synthesize new things."

"I think of myself as a little bee. I go from one area of the studio to another and gather pollen and sort of stimulate everybody."

Questioning

"You don't invent the answers, you reveal them by finding the right questions." – Dr. Jonas Salk

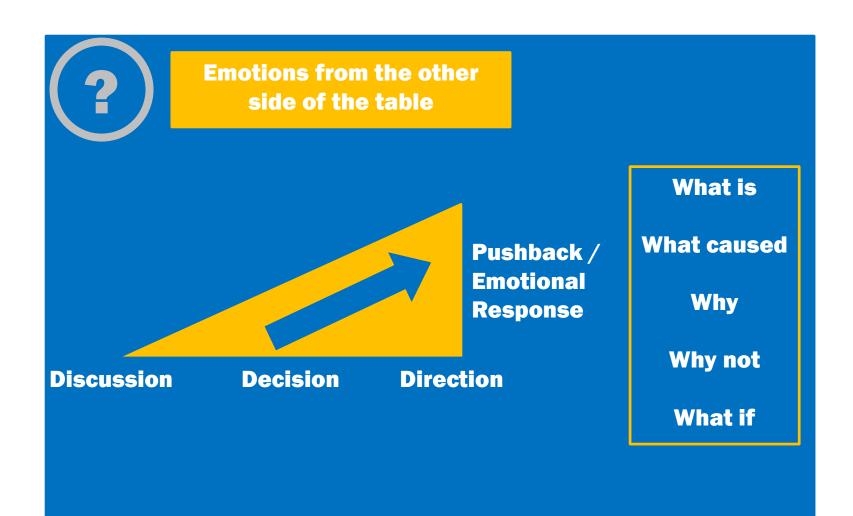


Wait I don't get it. Why are we doing it like this?

Are you willing to look stupid? Do you have the self-esteem to ask, and are you humble enough to learn from anyone.



Questioning

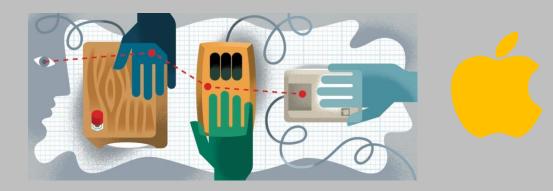


Observing



"All of us are watchers – of television, of time clocks, of traffic on the freeway – but few are observers. Everyone is looking, not many are seeing." – Peter Leschak





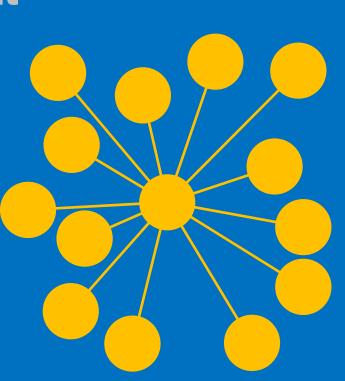
SPACE CONGRESS 2016

Networking

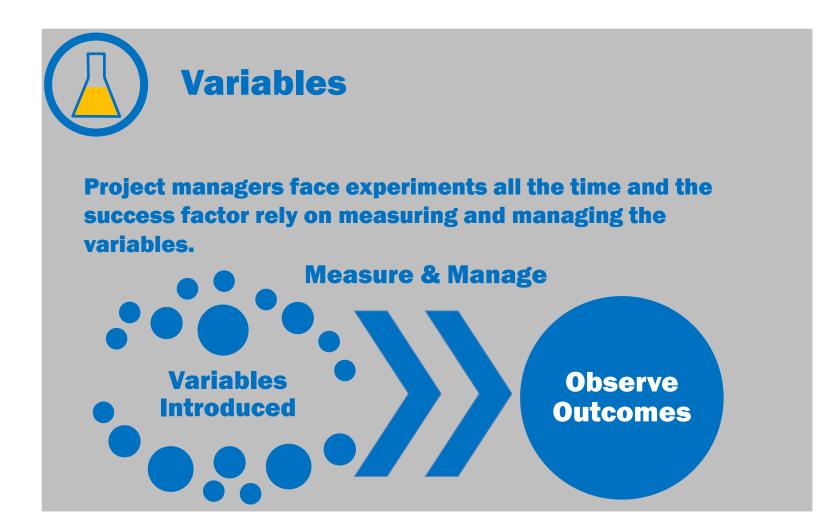
Expert Judgment

Outside Perspective

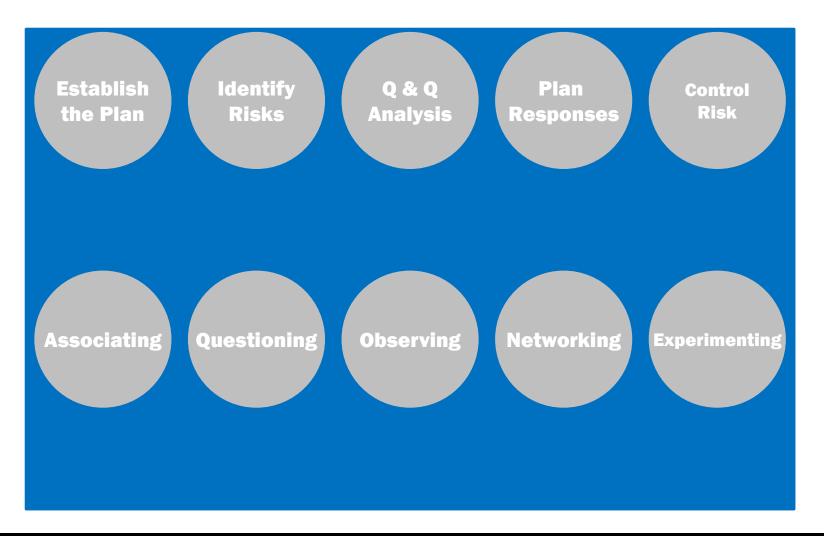
Network for ideas and ask yourself 'what other industries has solved problems like this?'



Experimenting



Recap



The End

