

Safran Risk Manager

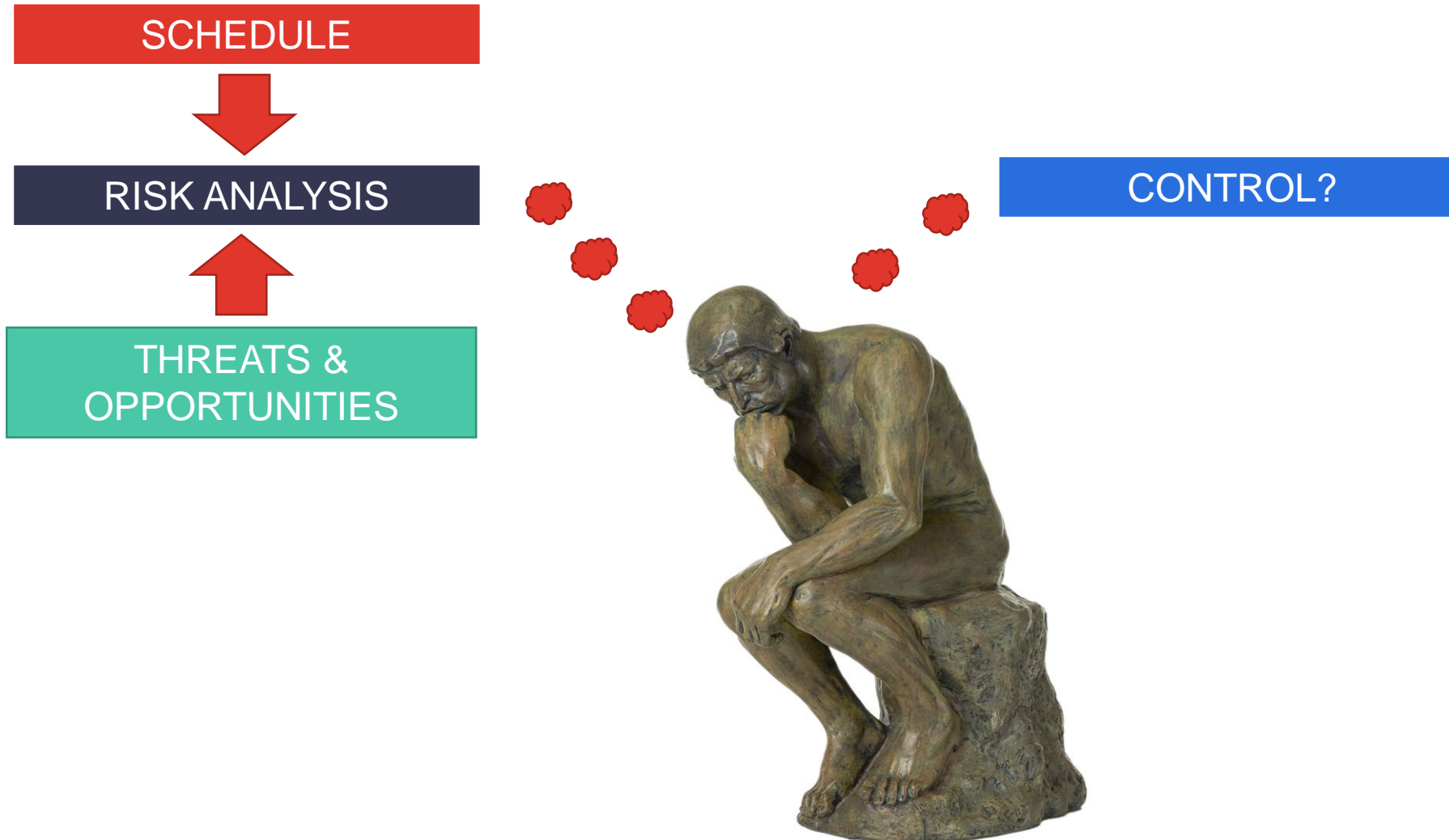
Forum Safran 2019 | Presenter Mark Turner

Agenda

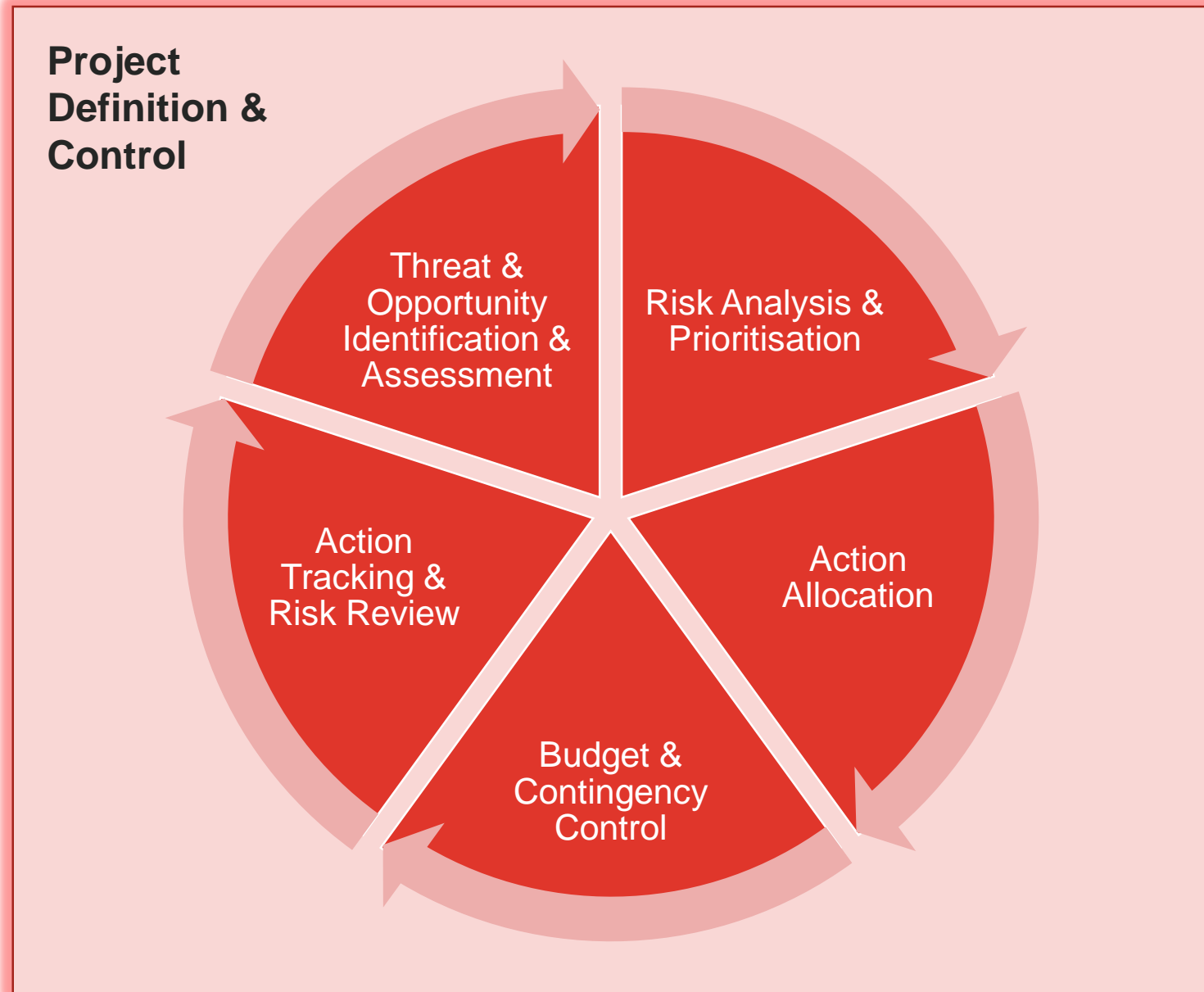
- What More Do Risk Managers want?
- Project Definition & Control
- Threat & Opportunity Identification & Assessment
- Risk Analysis & Prioritisation
- Action Allocation
- Budget & Contingency Control
- Action Tracking and Risk Review



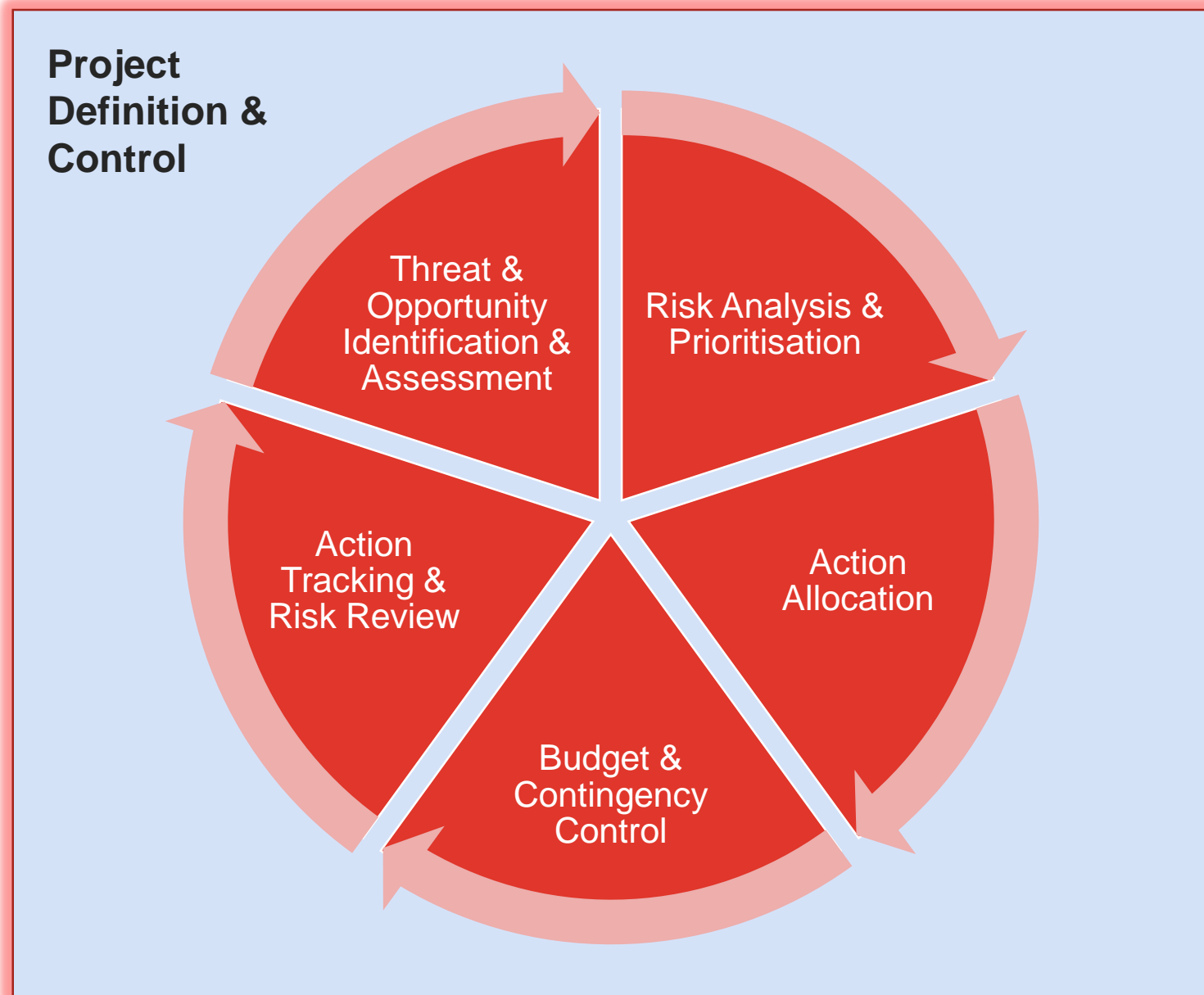
What More Do Risk Managers Want?



Risk Control Cycle



Project Definition And Control



Project Definition And Control

Safran Risk Manager Project BlueSky Osman Ishaque

Home + Create new project

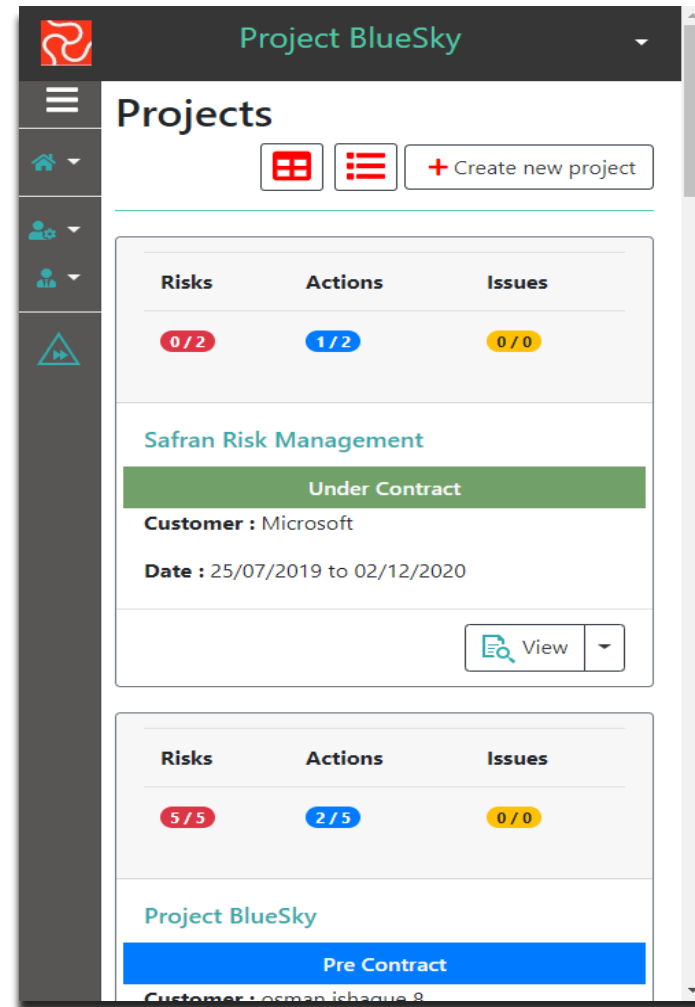
Title	Status	RecordsCount	Actions	Customer Name	Start Date	End Date	View	Pin to Home
Safran Risk Management								
Project BlueSky								
Test Project								
FredProject								
Safran Project Management Suite								
FredProject								
Safran Risk for Dynamics 365								
Azure Web App Setup								
safran risk essentials								
Migration of intranet on Azure								
test project								

Safran Risk Manager Project BlueSky Osman Ishaque

Home + Create new project

Risks	Actions	Issues	Project Name	Status
0/2	1/2	0/0	Safran Risk Management	Under Contract
5/5	2/5	0/0	Project BlueSky	Pre Contract
2/3	2/2	0/0	Test Project	Under Contract
0/0	0/0	0/0	FredProject	Under Contract
0/3	0/0	0/0	Safran Project Management Suite	Pre Contract
6/6	6/6	0/0	FredProject	Under Contract

Project Definition And Control



The screenshot displays the 'Project BlueSky' interface. At the top, the title 'Project BlueSky' is visible. Below it, the 'Projects' section features a '+ Create new project' button. A summary table shows metrics for Risks, Actions, and Issues:

Risks	Actions	Issues
0 / 2	1 / 2	0 / 0

Below this, the 'Safran Risk Management' section is highlighted in green, indicating it is 'Under Contract'. It lists the customer as 'Microsoft' and the date range as '25/07/2019 to 02/12/2020'. A 'View' button is present.

The bottom section, 'Project BlueSky', is highlighted in blue and is 'Pre Contract'. It lists the customer as 'osman ishaque 8'.

Project Definition And Control

Safran Risk Manager Project BlueSky Osman Ishaque

Home Risk Manager Risk Coordinator Create Risk

Details Size Objective Delivery Phase ADEC Settings

Project Details

Details Size Objective Delivery Phase ADEC Settings

Reference *

Product or Service

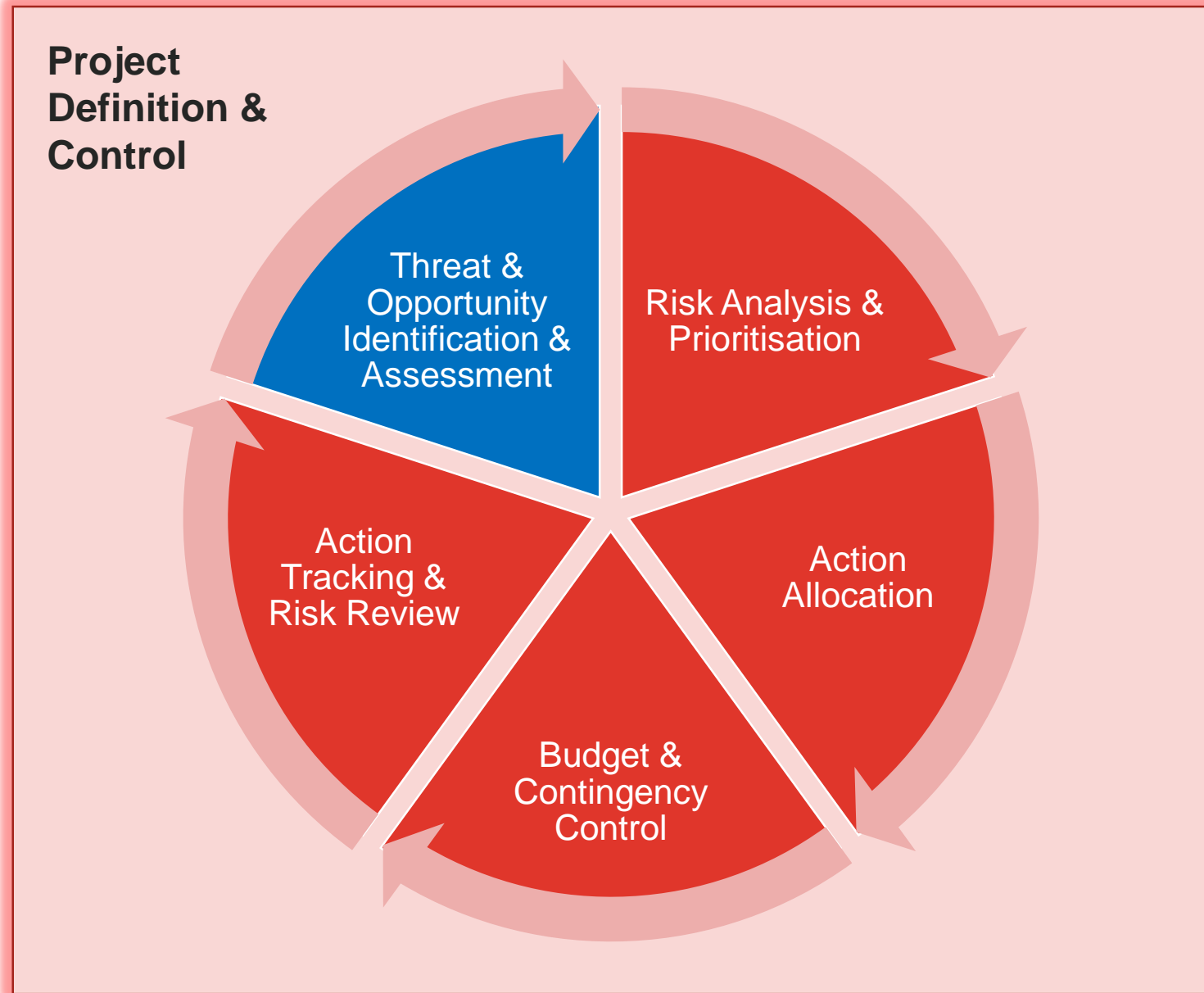
Parent Project ID RadarX

Pre Contract Award Stage? Yes No

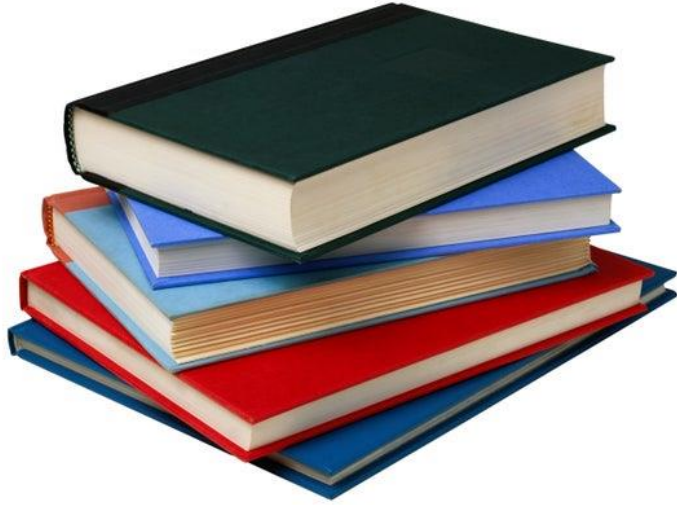
Financial Data

Save Save / Next

Identification & Assessment



Connecting Knowledge



Explicit

Codified knowledge found
In documents, databases, etc.

Tacit

Intuitive knowledge & know-how, which is:

Rooted in context, experience, practice, & values

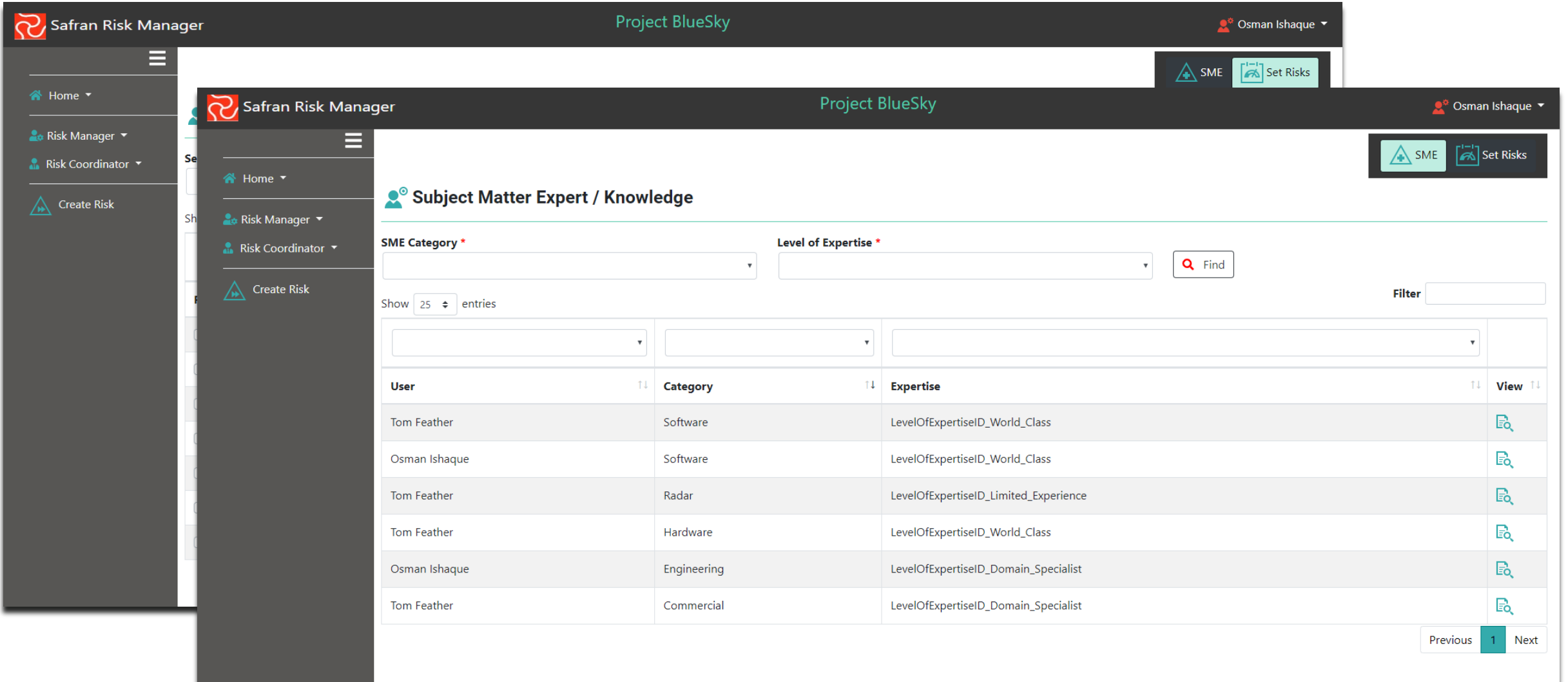
Hard to communicate – it resides in the mind of the practitioner

The best source of long term competitive advantage and innovation







Is passed on through socialization, mentoring, etc – is not handled well by IT




Identification & Assessment



The screenshot displays the Safran Risk Manager interface for 'Project BlueSky'. The user is logged in as 'Osman Ishaque'. The main content area is titled 'Subject Matter Expert / Knowledge'. It features search filters for 'SME Category' and 'Level of Expertise', a 'Find' button, and a 'Filter' input field. Below the filters, there is a table listing experts with columns for 'User', 'Category', 'Expertise', and 'View'. The table shows 7 entries, with pagination controls at the bottom right indicating 'Previous', '1', and 'Next'.

User	Category	Expertise	View
Tom Feather	Software	LevelOfExpertiseID_World_Class	
Osman Ishaque	Software	LevelOfExpertiseID_World_Class	
Tom Feather	Radar	LevelOfExpertiseID_Limited_Experience	
Tom Feather	Hardware	LevelOfExpertiseID_World_Class	
Osman Ishaque	Engineering	LevelOfExpertiseID_Domain_Specialist	
Tom Feather	Commercial	LevelOfExpertiseID_Domain_Specialist	

Identification & Assessment

 Safran Risk Manager
Project BlueSky
Osman Ishaque ▾

⌵
Home ▾
Risk Manager ▾
Risk Coordinator ▾
Create Risk

⚠ Risk Register

+ Create New Risk


Advance Filters ▾

Risks (5)

Show entries
Search:

Title	Event	Event Date	Owner	Status	Reviewed On	Type	Review
TX Design Change	The design specification for the transmitter is changed	31/12/2019	Osman Ishaque	Approved	16/10/2019	Threat	⌵
RX Design Specification Change	The customer changes the design specification	10/10/2019	Osman Ishaque	Approved		Threat	⌵
TX Development Rework	Rework required in development of TX	18/10/2019	Osman Ishaque	Approved		Threat	⌵
Integration Delays	Delays in integration	18/10/2019	Osman Ishaque	Approved		Threat	⌵
Construction Delays	Delays during construction	10/10/2019	Osman Ishaque	Approved		Threat	⌵

Identification & Assessment

 Safran Risk Manager
Project BlueSky
Osman Ishaque ▾

▶ RX Design Specification Change

Project

Risk

Risk Identification ▲

Meta Data
Details

Name *

Owner *

Project Objective *


Event Description

Project Phase Impacted *

Public Risk?	Threat / Opportunity	Type
<input checked="" type="radio"/> Yes <input type="radio"/> No	<input checked="" type="radio"/> Threat <input type="radio"/> Opportunity	<input type="radio"/> Issue <input checked="" type="radio"/> Risk

Risk Assessment ▼

Identification & Assessment

 Safran Risk Manager
Project BlueSky
Osman Ishaque ▾

⚠️ RX Design Specification Change

Project

Risk

Risk Identification ▾

Risk Assessment ▴

Source +

Filter

- Design concept changes Work very closley with the des ...
- Material availability Work very closley with the des ...

⚠️ Details

Pre treatment

Likelihood			25.00
Cost	850021.36	1055729.96	1273058.80
Time	2.21	49.81	99.63
Other			

Post treatment

Likelihood			10.00
Cost	839619.27	1040901.34	1245952.48
Time	1.60	25.08	49.82
Other			

🔄 TAKE ACTION

📄 ADEC

Impact +

Filter

- Material cost Work very closley with the design authority Cost
- Labour cost of design change Work very closley with the design authority Cost
- Delay in completion Work very closley with the design authority Schedule

Identification & Assessment

Safran Risk Manager
Project BlueSky
Osman Ishaque

RX Design Specification Change

Project
Project BlueSky
Risk
RX Design Specification Change

Risk Identification ▼

Risk Assessment ▼

Impact Analysis ▲

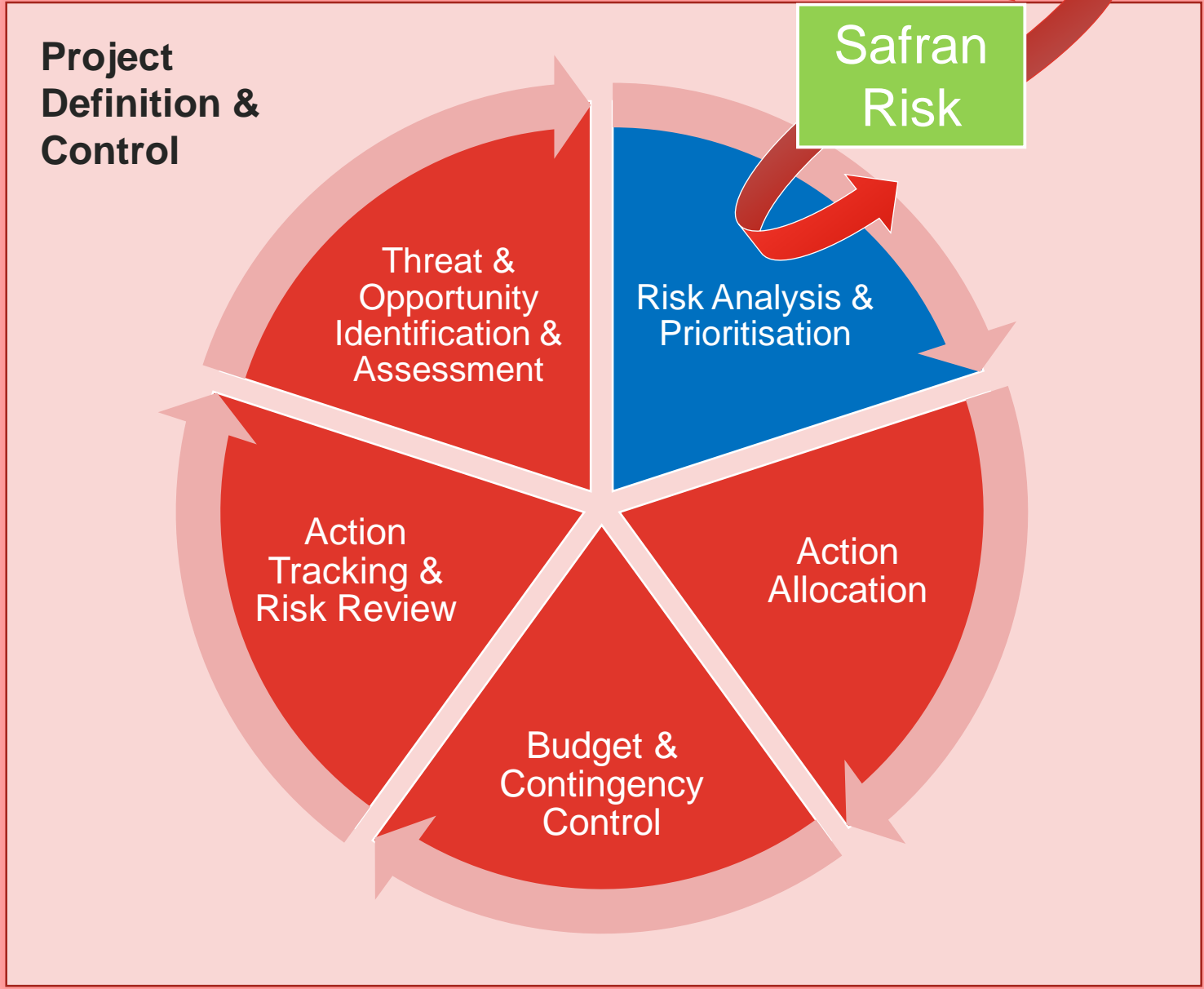
● Cost
● Time
● Other



	Pre	Post
Min	850021.36	839619.27
Mean	1055729.96	1040901.34
Max	1273058.80	1245952.48
Median	1056867.52	1041496.67
Focused P	1132878.10	1114800.29

Status : Approved
Approved on : 16/10/2019 09:38:00

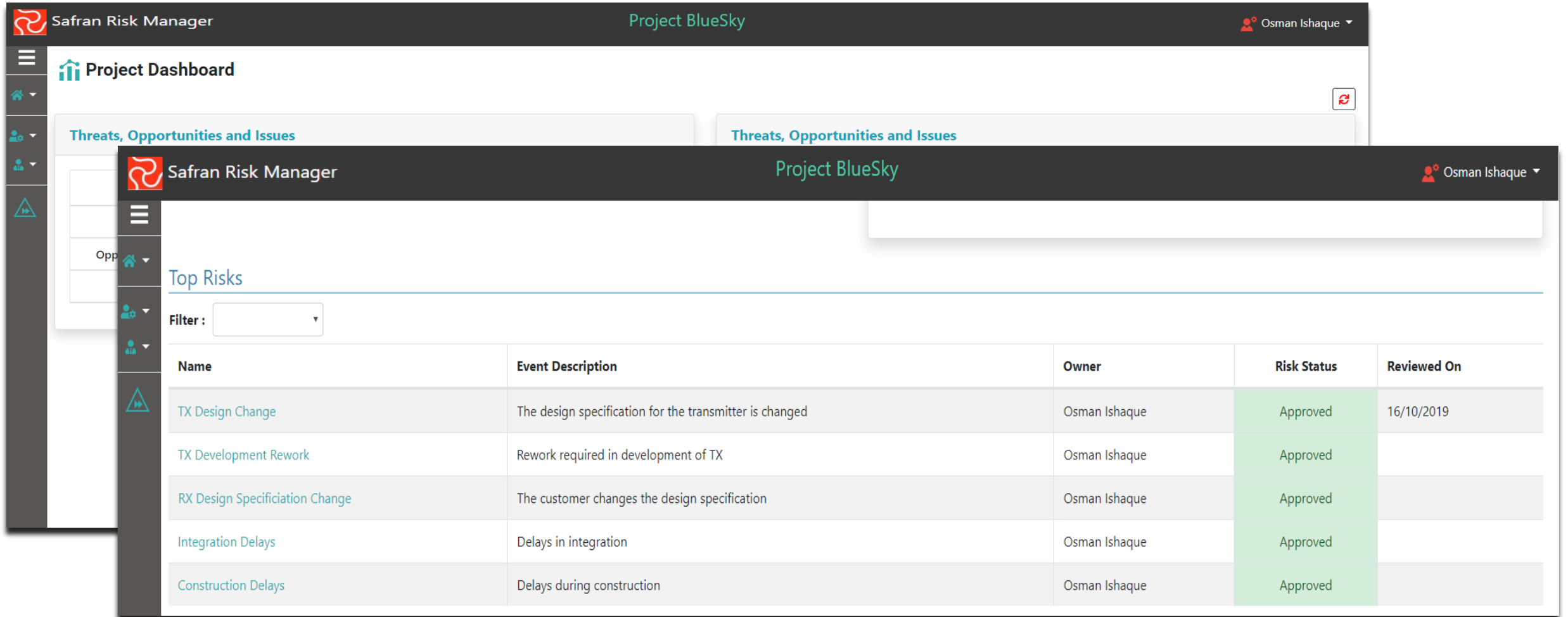
Risk Analysis & Prioritization



Cost Of Action Over Inaction




Risk Analysis & Prioritization



The screenshot displays the Safran Risk Manager interface for Project BlueSky. The user is logged in as Osman Ishaque. The main view is titled 'Top Risks' and includes a filter dropdown. Below the filter is a table listing five risks, all with an 'Approved' status.

Name	Event Description	Owner	Risk Status	Reviewed On
TX Design Change	The design specification for the transmitter is changed	Osman Ishaque	Approved	16/10/2019
TX Development Rework	Rework required in development of TX	Osman Ishaque	Approved	
RX Design Specification Change	The customer changes the design specification	Osman Ishaque	Approved	
Integration Delays	Delays in integration	Osman Ishaque	Approved	
Construction Delays	Delays during construction	Osman Ishaque	Approved	

Risk Analysis & Prioritization

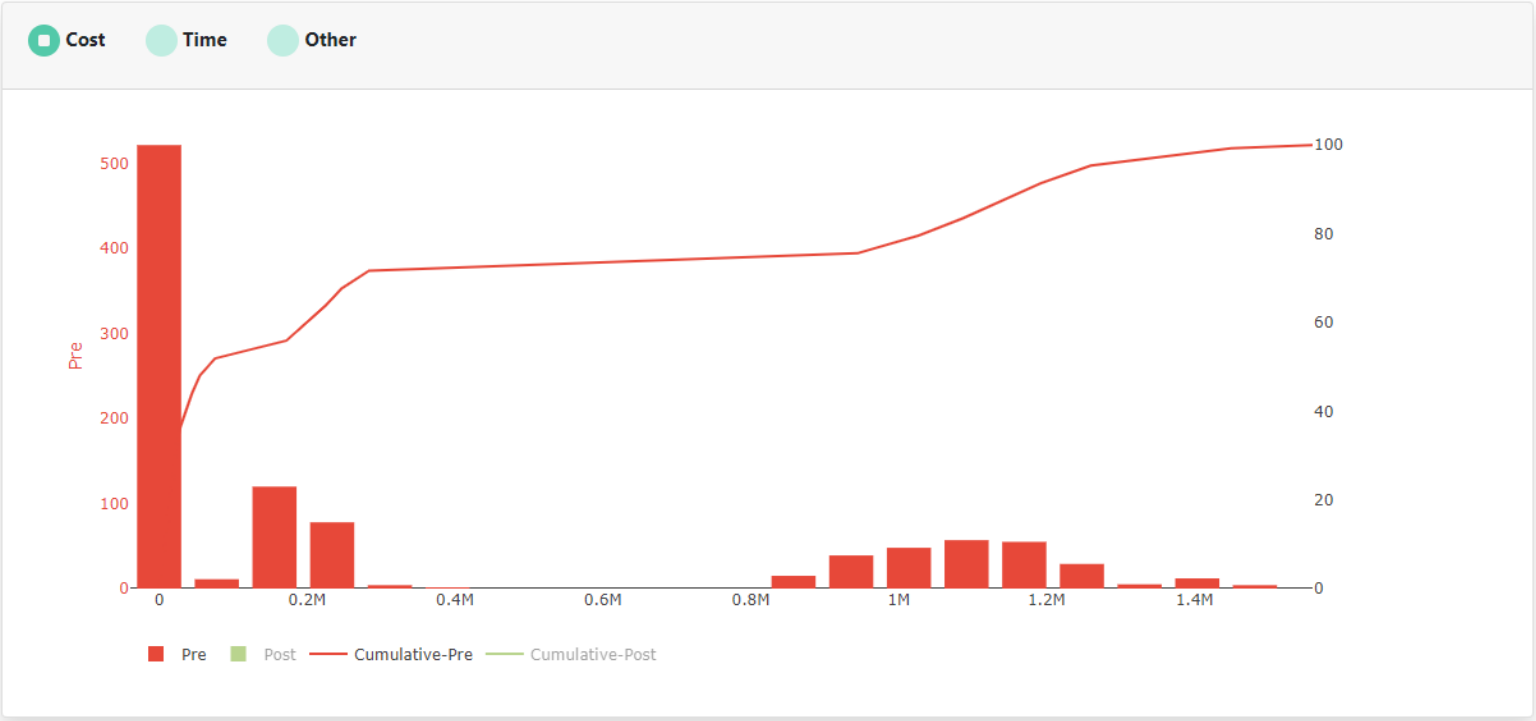
 Safran Risk Manager
Project BlueSky
Osman Ishaque ▼

Construction Delays
Delays during construction
Osman Ishaque
Approved


Project Model


	Pre	Post
Min	0.00	0.00
Mean	358300.37	132691.67
Max	1559815.03	1237036.08
Median	61723.22	0.00
Focused P	1030443.78	37409.65

■ Cost
● Time
● Other



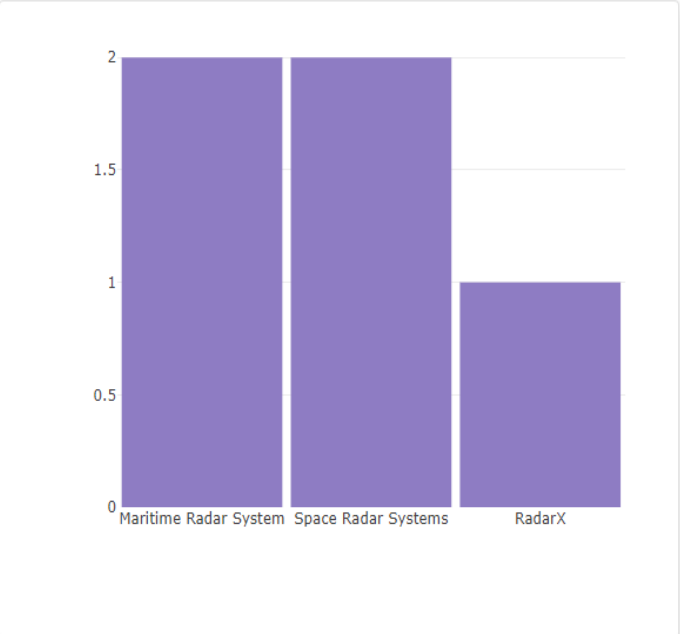
Risk Analysis & Prioritization

 Safran Risk Manager
Project BlueSky
Osman Ishaque

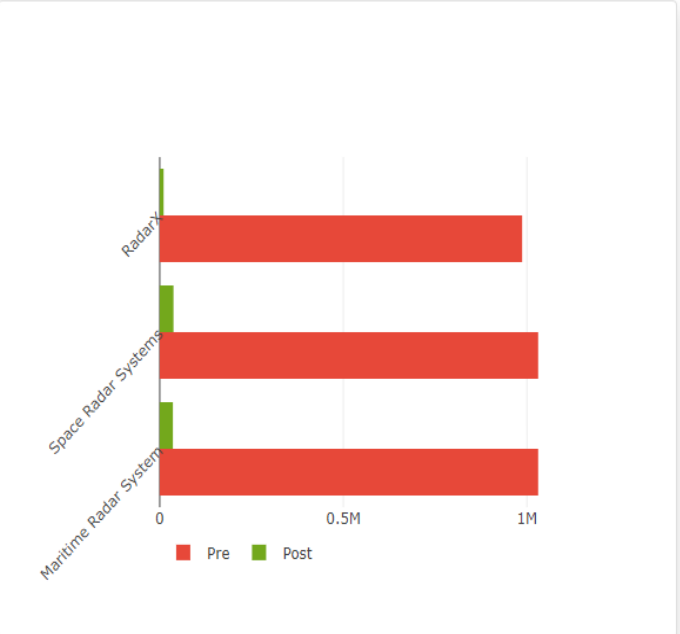
 Safran Risk Manager
Project BlueSky
Osman Ishaque

Categorization Analysis

Category	Count	Pre	Post
RadarX	2	986867.75	10487.35
Maritime Radar System	2	1030443.78	35815.87
Space Radar Systems	1	1030443.78	37409.65

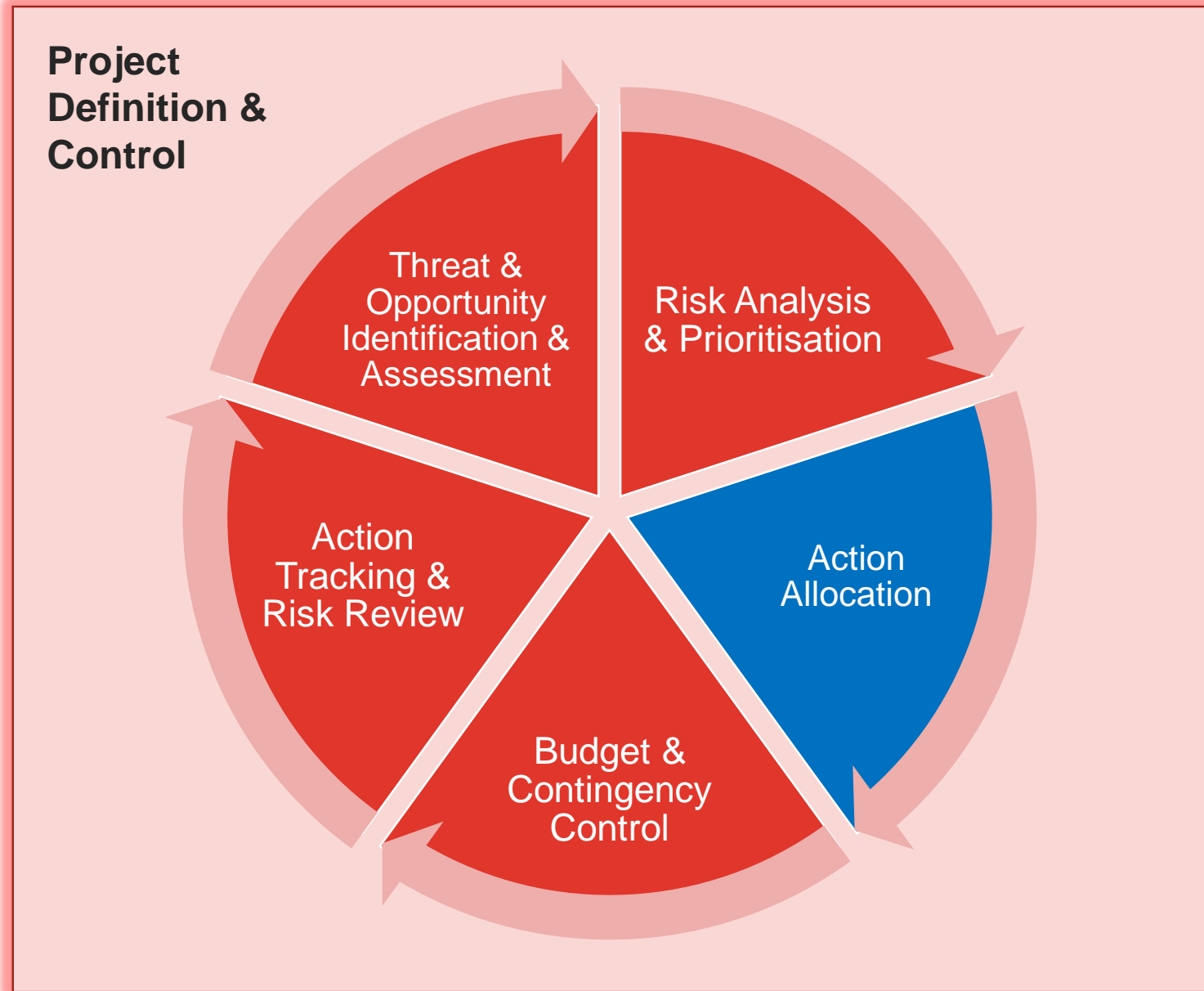


Category	Count
Maritime Radar System	2
Space Radar Systems	2
RadarX	1

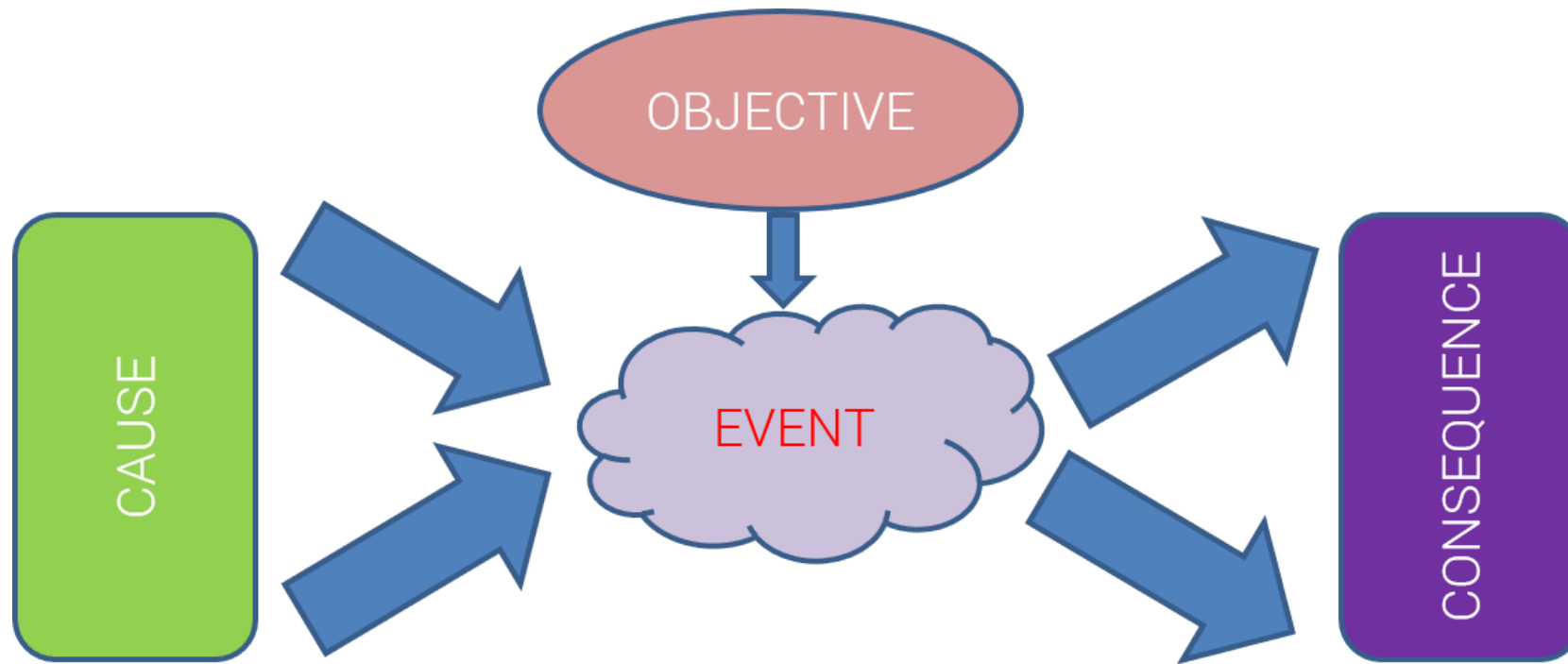


Category	Pre	Post
RadarX	986867.75	10487.35
Space Radar Systems	1030443.78	37409.65
Maritime Radar System	1030443.78	35815.87

Action Allocation



Preventative and Protective Action



Action Allocation

Risk Source
✕

Source
Action

Select an existing action ▼

Work very closley with the design authority

Title *

Description *

Work very closley with the design authority

Budgeted Cost	Anticipated Cost	Actual Cost	Status *
<input type="text" value="10000.00"/>	<input type="text" value="100000"/>	<input type="text"/>	Underway ▼

Planned Start Date*	Actual Start Date	Planned Completion Date
16/10/2019 <input type="text"/>	02/10/2019 <input type="text"/>	28/02/2020 <input type="text"/>

Owner * ✕ Mark Turner

✕ Cancel
Save

Consequence Impact
✕

Impact
Action
Notes

Select an existing action ▼

Work very closley with the design authority

Title *

Description *

Monitor output for early detection of defects

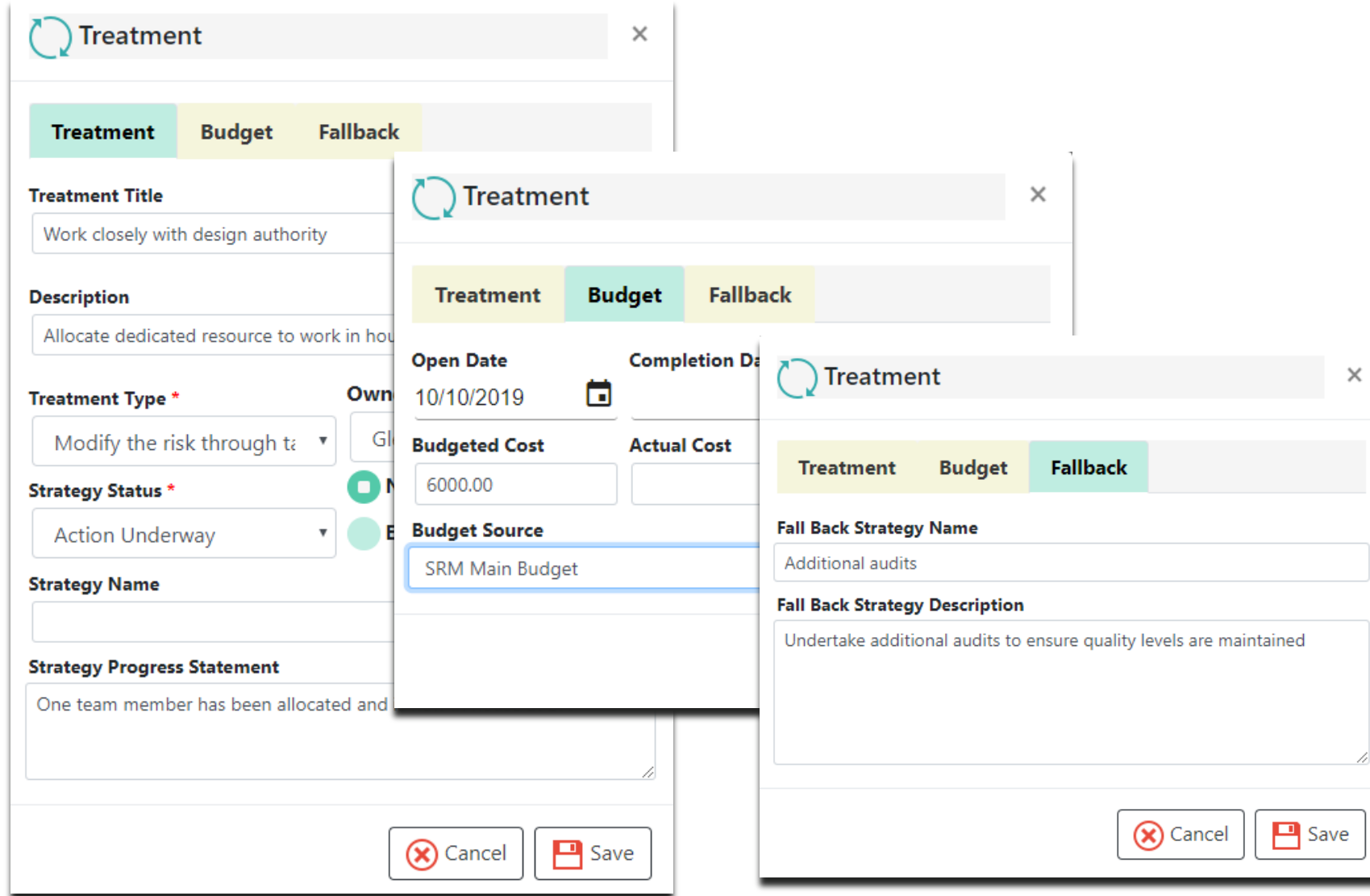
Budgeted Cost	Anticipated Cost	Actual Cost	Status *
<input type="text" value="10000.00"/>	<input type="text" value="80000"/>	<input type="text"/>	Not Started ▼

Planned Start Date*	Actual Start Date	Planned Completion Date
16/10/2019 <input type="text"/>	<input type="text"/>	<input type="text"/>

Owner * ✕ Mark Turner

✕ Cancel
Save

Treatment Strategy, Budget and Fallback Position



The image displays three overlapping windows from a software application, each titled "Treatment" with a refresh icon and a close button. The windows show different tabs for editing a record.

Window 1 (Left): Treatment Tab

- Treatment Title:** Work closely with design authority
- Description:** Allocate dedicated resource to work in hou
- Treatment Type *:** Modify the risk through t
- Strategy Status *:** Action Underway
- Strategy Name:** (Empty)
- Strategy Progress Statement:** One team member has been allocated and
- Buttons:** Cancel, Save

Window 2 (Middle): Budget Tab

- Open Date:** 10/10/2019
- Completion Date:** (Empty)
- Budgeted Cost:** 6000.00
- Actual Cost:** (Empty)
- Budget Source:** SRM Main Budget
- Buttons:** Cancel, Save

Window 3 (Right): Fallback Tab

- Fall Back Strategy Name:** Additional audits
- Fall Back Strategy Description:** Undertake additional audits to ensure quality levels are maintained
- Buttons:** Cancel, Save

Budget & Contingency Control



Contingency Versus Exposure



Budget & Contingency Control

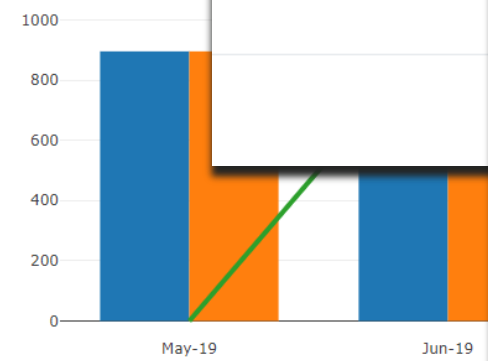
Safran Risk Manager
Azure Web App Setup
Osman Ishaque

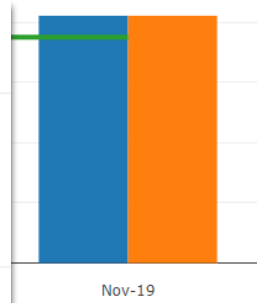
- Home
- Risk Manager
- Risk Coordinator
- Create Risk

Contingency

Current Contingency

Type	Original	Current	Added	To Margin	To Other	Spent	Release	View
Technical	500	500	100			100		
				100	-150			
						150		





Add Contingency

Title:

Contingency Type:

Is this main contingency:

Manage Contingency

Management

Action Type:

Amount:

Comments:

Contingency History

Date	Amount	Type	Comments
No data available in table			

Cancel
 Save


Action Tracking & Risk Review









Action Tracking & Risk Review

 Safran Risk Manager
Project BlueSky
Osman Ishaque ▾

Project Report

 Create New Report


Show entries
Filter:


Name	Description	View	Export	Print
Project Report ABC against a Threat	Description of the report			
Project Report ABC against a Threat	Description of the report			
Project Report ABC against a Threat	Description of the report			
Project Report ABC against a Threat	Description of the report			
Project Report ABC against a Threat	Description of the report			

Showing 1 to 5 of 5 entries

Previous 1 Next


Action Tracking & Risk Review

 Safran Risk Manager Project BlueSky




- Home ▾
- Risk Manager ▾
- Risk Coordinator ▾
- Create Risk

Projects Dashboard

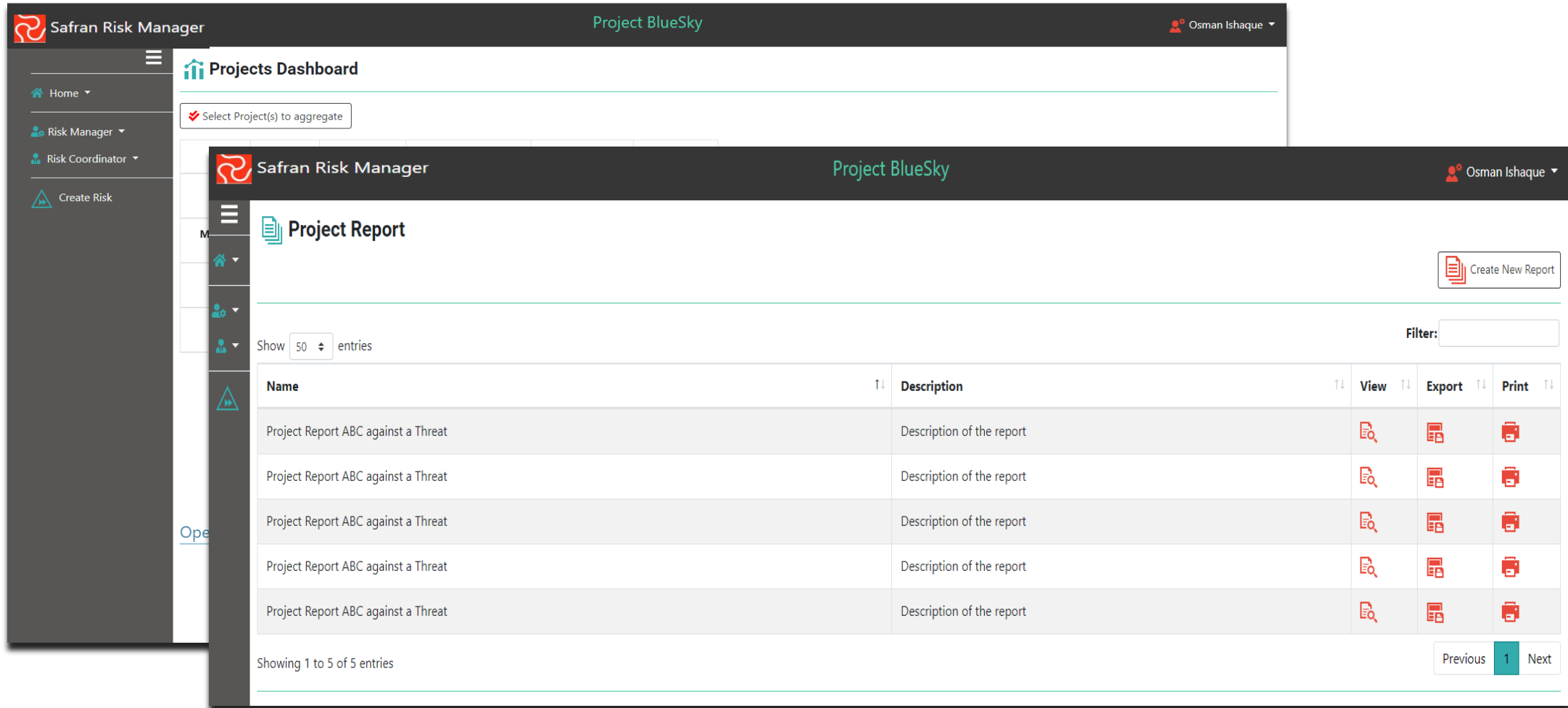
 Select Project(s) to aggregate

Select Parent ×

- Organisation
 - Department A
 - Department B
 - Project AAAABBBB
 - Project XXXYYYZZZZ
 - Project SDP
 - Project SNND
 - Department D

⊗ Close  Select

Action Tracking & Risk Review



The image displays two overlapping screenshots of the Safran Risk Manager web application. The top screenshot shows the 'Projects Dashboard' with a navigation menu on the left and a header for 'Project BlueSky'. The bottom screenshot shows the 'Project Report' view, which includes a table of reports and a 'Create New Report' button.

Safran Risk Manager - Project BlueSky

Projects Dashboard

Select Project(s) to aggregate

Project Report

Create New Report

Show 50 entries Filter:

Name	Description	View	Export	Print
Project Report ABC against a Threat	Description of the report			
Project Report ABC against a Threat	Description of the report			
Project Report ABC against a Threat	Description of the report			
Project Report ABC against a Threat	Description of the report			
Project Report ABC against a Threat	Description of the report			

Showing 1 to 5 of 5 entries

Previous 1 Next

Safran Risk Manager



THREATS, OPPORTUNITIES & ISSUES CONTROL IN ONE WEB BASED APPLICATION

- Beautiful web interface for PC Tablet or Smart Device
- Security and control built in

BENEFIT FROM INTERNAL KNOWLEDGE

- Maximize existing project knowledge
- Benefit from subject matter expert connections

MONITOR AT PROJECT & PORTFOLIO LEVEL

- Dashboards display key data at a glance
- Monte Carlo analysis for basic cost and time control
- Cost Benefit analysis to priorities action expenditure

MULTIPLE SOURCE AND IMPACT BOW TIE RISK DATA CAPTURE

- Detailed assessment of costs time and user defined 'other' over multiple categories
- Capture preventative and protective actions

CALCULATE AND MONITOR CONTINGENCY AGAINST EXPOSURE

- Burn down profiles of anticipated risk exposure
- Assess contingency requirements based on probabilistic models



Thank you