



الجامعة الافتراضية السورية  
SYRIAN VIRTUAL UNIVERSITY



مركز التعلم مدى الحياة  
Lifelong Learning Center



DEP  
برنامج رقمنة العمليات الهندسية  
Digitization of Engineering Processes

# قائد نمذجة معلومات البناء

# BIM Leader Diploma L1





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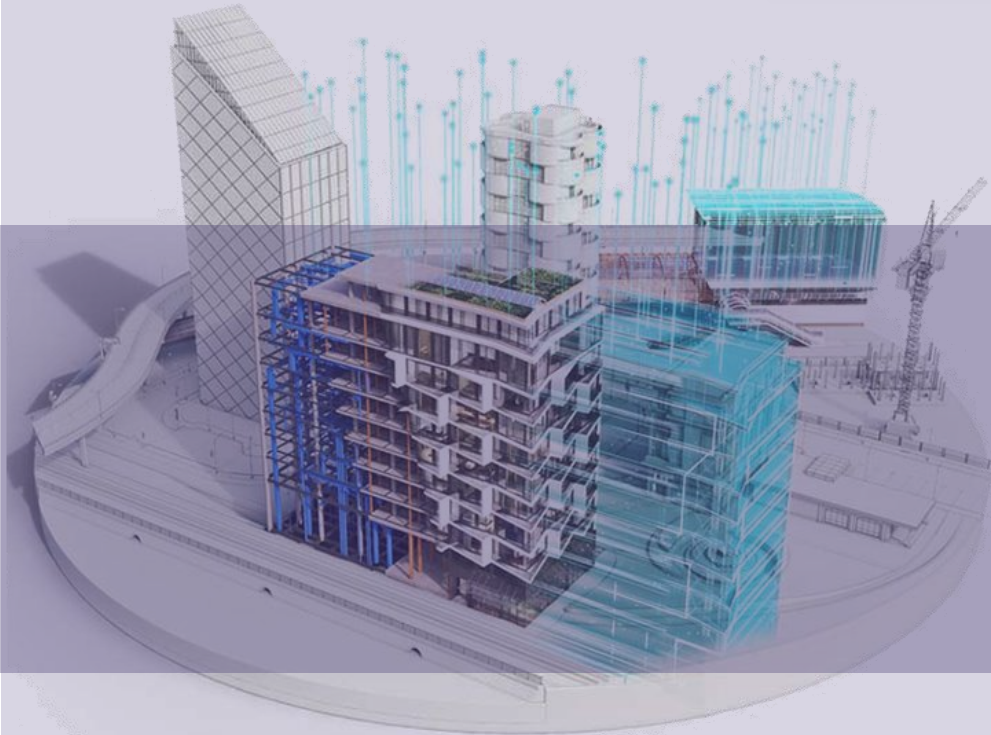


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Managing risks and enhancing  
transparency



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Understanding the Risks  
in BIM Projects

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Using Synchro to  
Manage Risks

2

Enhancing Transparency  
with Synchro

3

Implementation and  
Best Practices for Synchro

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Benefits and ROI of  
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Managing risks and enhancing  
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# Managing internal coordination meetings within a company



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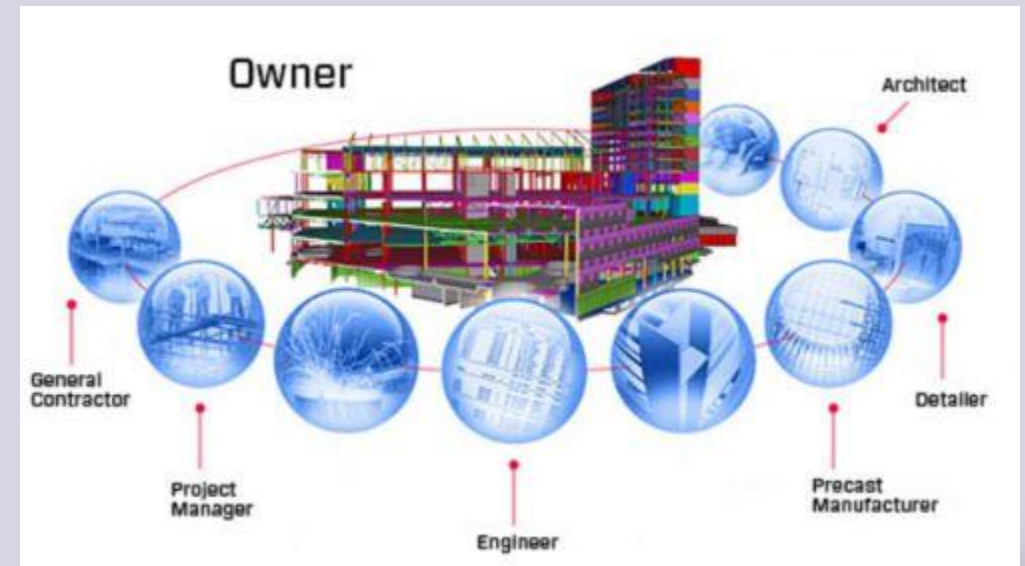
1

First Paragraph

## Understanding the Risks in BIM Projects

a. Common Risks in BIM Projects:

- 1- Data Inconsistencies
- 2- Communication Breakdowns
- 3- Technical Issues
- 4- Change Management





# Managing internal coordination meetings within a company



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Using Synchro  
to Manage Risks

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Second  
Paragraph

## Using Synchro to Manage Risks

- a. Risk Assessment and Identification
  - 1- Risk Matrix
  - 2- Risk Register
  - 3- Probability & Impact Assessment
- a. Risk Mitigation Strategies

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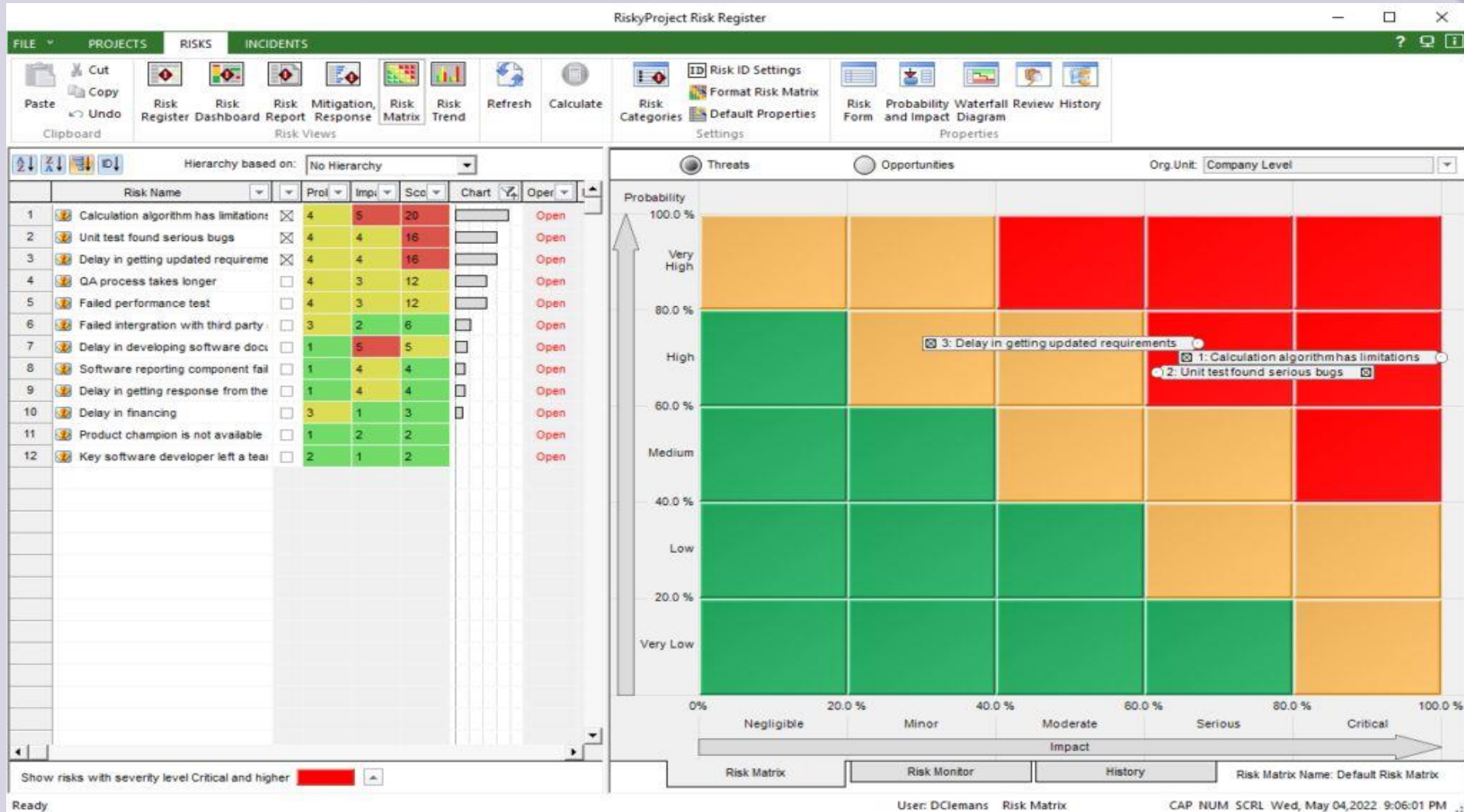
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Risk Information

Risk Form | Probabilities and outcomes | Custom Properties | Mitigation | Risk Review | History | Documents | Visibility | Incidents

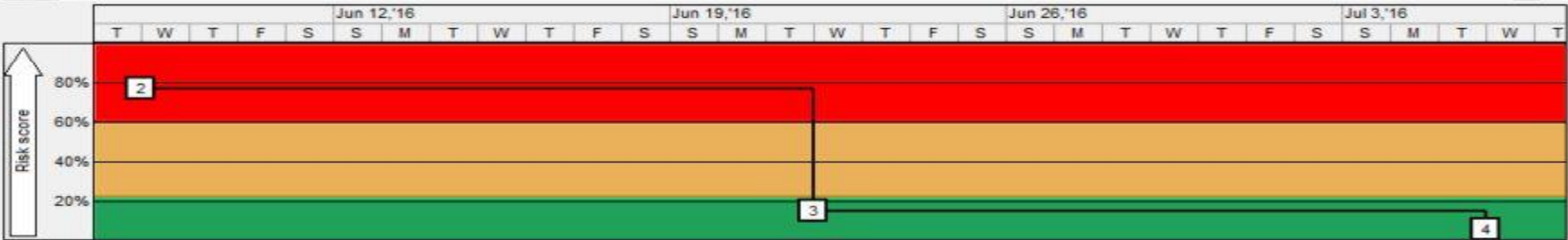
Risk name: Delay in financing Risk ID: R00001831 Copy to Clipboard

	Mitigation Plan	Start	Start Act.	Probabili	Impact: A	Score: A	Cost (Mitiga	Cost Actual	Assigned to	% Comp	Project	Associated Task
1	Current	05/09/16		3	1	3	\$0.00	\$0.00				
2	Pre-arrange bridge financing	06/08/16		5	5	25	\$0.00	\$0.00		0.0%		
3	Arrange credit from the bank	06/22/16		3	2	6	\$0.00	\$0.00		0.0%		
4	Hire more staff	07/06/16		3	1	3	\$0.00	\$0.00		0.0%		

Mitigation cost: \$0.00

Select actual or/and planned line

Actual  
 Planned



OK Cancel Help

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RiskyProject Risk Register

FILE PROJECTS RISKS INCIDENTS

Paste Cut Copy Undo Risk Register Risk Dashboard Risk Report Risk Mitigation Response Risk Matrix Risk Trend Refresh Calculate Risk Categories Risk ID Settings Format Risk Matrix Default Properties Risk Form and Impact Diagram Probability Waterfall Review History Properties

Filter Show All Hierarchy based on: Visible/Hidden Org. Unit: Company Level

General risk information					Calculated Results: Pre-Mitigation			Post-Mitigation			Description		
Risk Name	Open	Risk/Iss	Threat/C	Risk Assigned To	Probab	Impac	Score (f)	Score	Probab	Impact (f)		Score (f)	
1	<input checked="" type="checkbox"/>												
2	<input checked="" type="checkbox"/>	Visible for all projects											
3	<input checked="" type="checkbox"/>	Calculation algorithm has limitations	Open	Risk	Threat	Assigned to 3 projects	4	5	20	4	5	20	
4	<input checked="" type="checkbox"/>	Unit test found serious bugs	Open	Risk	Threat	Assigned to 2 projects	4	4	16	4	4	16	Unit test is part of the software implemente
5	<input checked="" type="checkbox"/>	Delay in getting updated requirements	Open	Risk	Threat	Product Design	4	4	16	4	4	16	Requirements are provided by client. If clien
6	<input checked="" type="checkbox"/>	QA process takes longer	Open	Risk	Threat	Software Development	4	3	12	5	3	15	QA process includes testing of software of
7	<input checked="" type="checkbox"/>	Failed performance test	Open	Risk	Threat	Product Design	4	3	12	2	2	4	Performance test is a critical test before so
8	<input checked="" type="checkbox"/>	Failed intergration with third party sof	Open	Risk	Threat	Product Design	3	2	6	3	2	6	Some third party software libraries are req
9	<input checked="" type="checkbox"/>	Delay in developing software documt	Open	Risk	Threat		1	5	5	3	2	6	
10	<input checked="" type="checkbox"/>	Software reporting component failed	Open	Risk	Threat		1	4	4	1	4	4	
11	<input checked="" type="checkbox"/>	Delay in getting response from the cli	Open	Risk	Threat		1	4	4	1	3	3	
12	<input checked="" type="checkbox"/>	Delay in financing	Open	Risk	Threat		3	1	3	5	1	5	Project is financing based on operational re
13	<input checked="" type="checkbox"/>	Product champion is not available	Open	Risk	Threat		1	2	2	1	2	2	
14	<input checked="" type="checkbox"/>	Key software developer left a team	Open	Risk	Threat		2	1	2	1	2	2	Software is done in small team. If at least o
15	<input checked="" type="checkbox"/>	Hidden											
16	<input checked="" type="checkbox"/>	Competition on the market place	Open	Risk									
17	<input checked="" type="checkbox"/>	Failed software installation and confi	Open	Risk									
18	<input checked="" type="checkbox"/>	Increased cost of marketing efforts	Open	Risk									
19	<input checked="" type="checkbox"/>	New competitor	Open	Risk									
20	<input checked="" type="checkbox"/>	Requirement changes	Open	Risk									Client request updated requirements

Ready Prob/Impact Properties

User: DClemans Risk Register CAP NUM SCRL Wed, May 04, 2022 9:01:58 PM

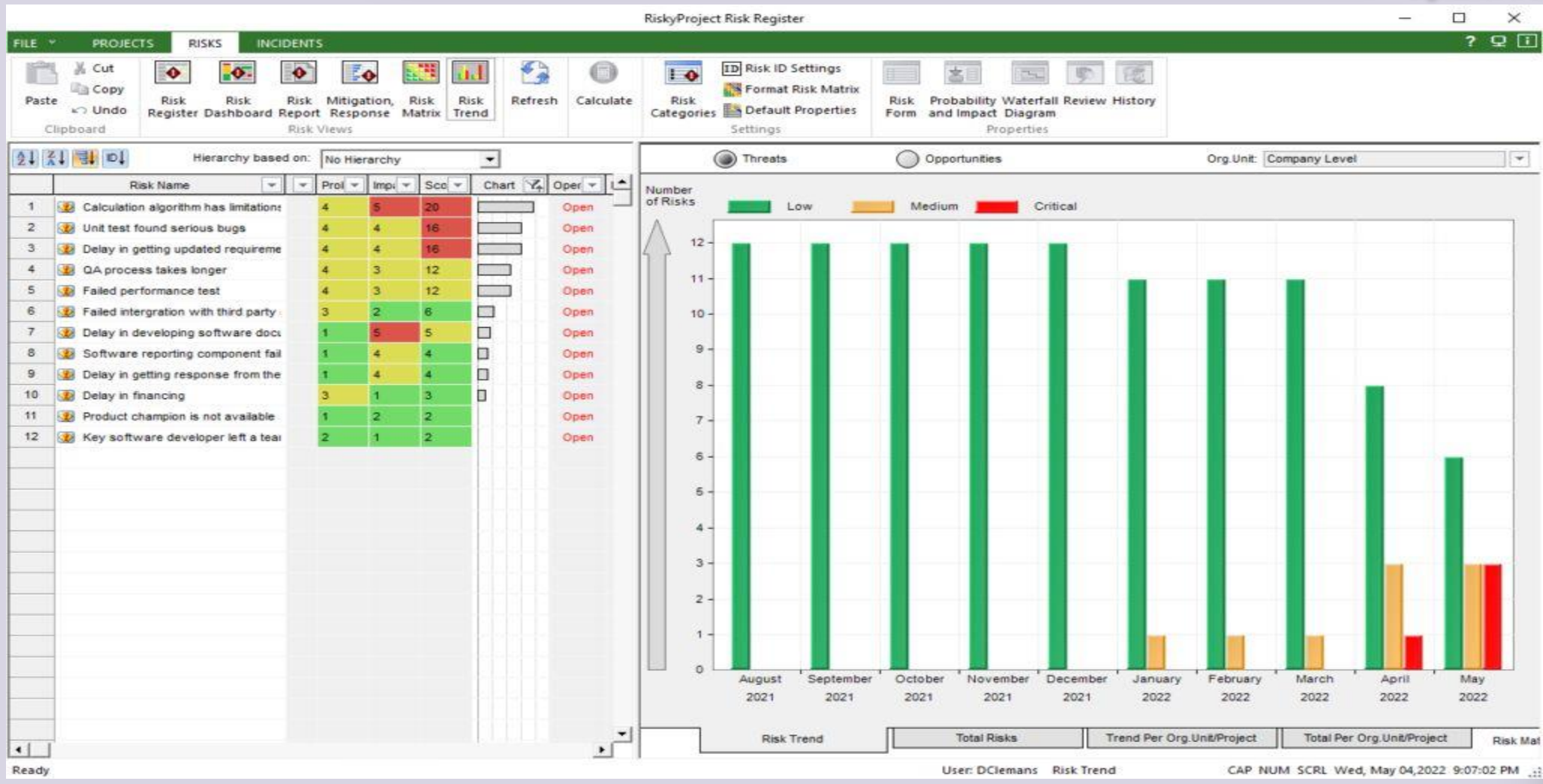
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First Paragraph

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Second  
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## Using Synchro to Manage Risks

- a. Risk Assessment and Identification
- b. Risk Mitigation Strategies
  - 1- Workaround Planning
  - 2- Contingency Planning
  - 3- Risk Monitoring & Review



# Managing internal coordination meetings within a company



1

First Paragraph

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Third Paragraph



Enhancing Transparency  
with Synchro

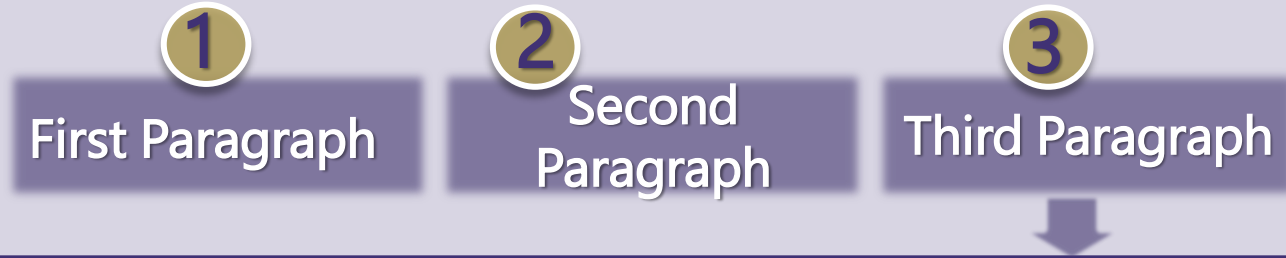
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Forth Paragraph

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Fifth Paragraph

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## Enhancing Transparency with Synchro

- a. Data Management and Integration
- b. Real-Time Collaboration
- c. Automated Reporting and Dashboards
- d. Change Management and Version Control



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Implementation and  
Best Practices for Synchro

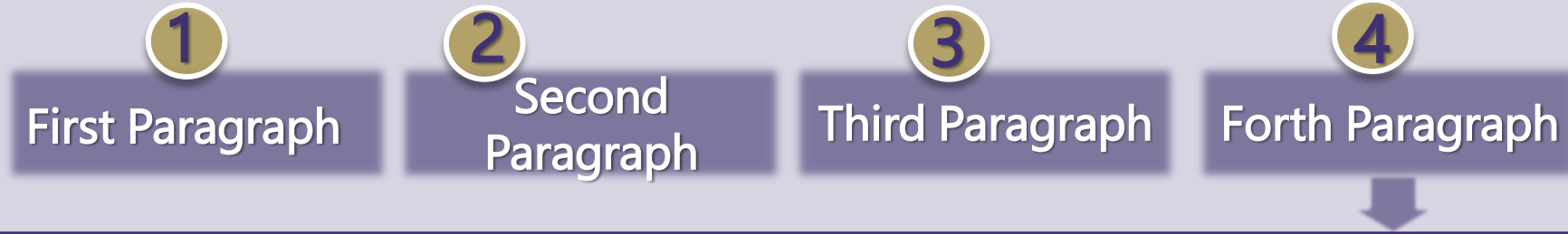
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## Implementation and Best Practices for Synchro

- a. Training and Support
- b. Process Standardization
- c. Data Quality and Integrity
- d. . Integration with Other Tools and Software



# Managing internal coordination meetings within a company



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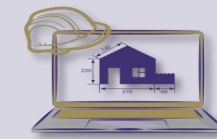
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Fifth Paragraph

Benefits and ROI  
of Using Synchro

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## Benefits and ROI of Using Synchro

- a. Reduced Risk
- b. Enhanced Transparency
- c. Improved Team Productivity
- d. Return on Investment (ROI)



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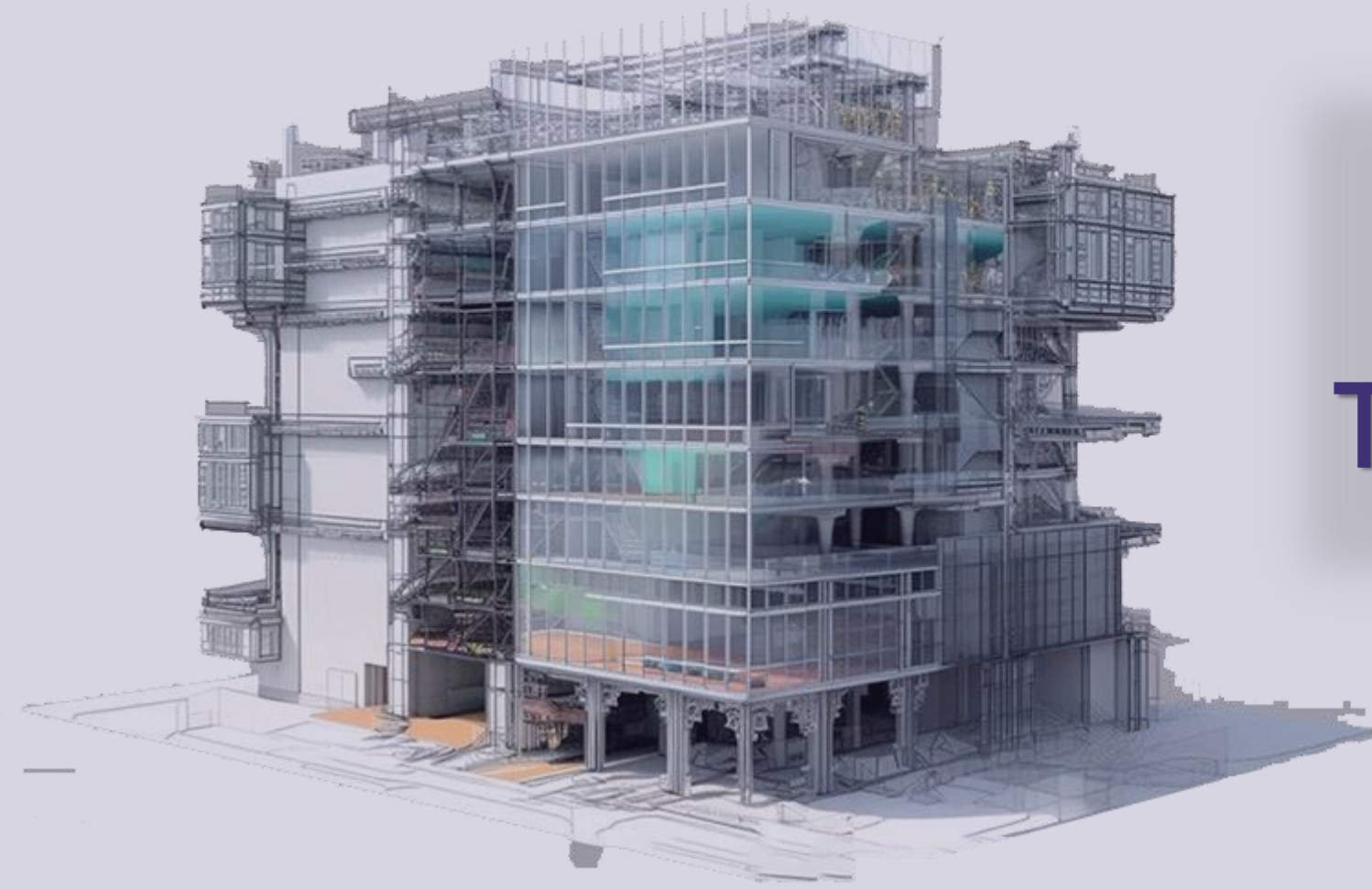


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شكراً لإصغائكم  
Thank you !