- Managing Risk

 Step 1: Risk Identificates

 -Generate a list of possible risks through bearestorming, applem identification and risk profiling.
 - Macro risks first, then specific events
- Step 2: Risk Assessment
 - -Scenario analysis for event probability and impact
 - Risk assessment matrix
 - -Failure Mode and Effects Analysis (FMEA)
 - -Probability analysis
 - Decision trees, NPV, and PERT
 - -Semiquantitative scenario analysis

Partial Risk Profile for Product Development Project Are the requirements stable? Obesign Does to lead a part of a design? Does to lead a part of a design? Does to lead a part of a design? Optimistic assumptions?

Testing

Will testing equipment be available when needed?

Development

Is the development process supported by a compatible set of procedures, methods, and tools?

Schedule

Is the schedule dependent upon the completion of other projects?

Budget

How reliable are the cost estimates?

what?

Work Environment

Do people work cooperatively across functional boundaries?

Staffing

Is staff inexperienced or understaffed?

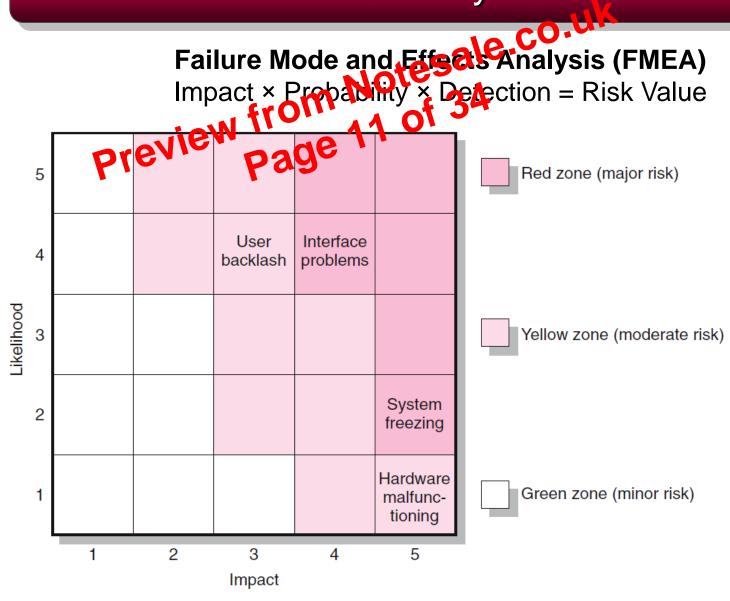
Customer

Does the customer understand what it will take to complete the project?

Contractors

Are there any ambiguities in contractor task definitions?

Risk Severity Matrix



Unexpected Events That Negatively Impact Site Labor Productivity

(outside of the Cansiluction Supervisor's control)

- Added worked to change orders.
- Changed job conditions (different weather, soil conditions, material lay-down areas).
- Incomplete drawings or specifications.
- Late project owner and designer decisions.

Unexpected Events That Result in Work Performed Under Adverse Conditions

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 Learning

 - Temperature, wind, humidity
 - Start-stop-start-stop
 - Double handling of material
- Morale problems