



Visual Risk™

Risk Review Tool

EQUIPMENT CRITICALITY

i-QUANTUM
SOLUTIONS



Visual Risk™ enables the systematic analysis of any type of equipment based risk within operations and projects. It aids the risk assessment process and consistency through a visual environment.



Key features of Visual Risk™

- SECURE WEB BASED SYSTEM ■
 - EASILY CONFIGURABLE RISK MATRIX FOR ANY TYPE OF ANALYSIS ■
 - SEVERAL ANALYSIS REVIEW MODULES ■
 - KNOWLEDGE CAPTURE AND STORAGE ■
 - ROBUST REPORTING MODULE ■
- (Graph, Table, Pareto Chart & Matrix reports)

Type of Risk;

- Production
- Safety
- Environmental
- Cost
- Start-Up



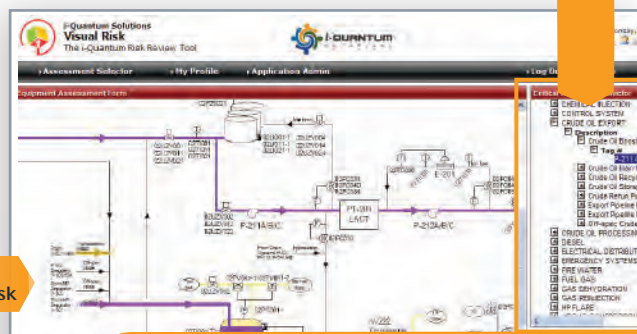
TEL: +1 713.339.9070
FAX: +1 832.553.8067

WEB SITE: www.i-QS.com
E-MAIL: enquiries@i-QS.com



RISK ASSESSMENT

Navigate Asset Equipment



View System Risk

VISUAL



RISK ASSESSMENT

Reporting

- Risk Ranking Table
- Risk Matrix
- Risk Pareto's



REPORTING MODULE (TYPICAL OUTPUT)

- Custom build equipment register
- Construct systems
- Build equipment tags and description details
- Upload complete asset register from excel template

EQUIPMENT ASSET REGISTER

- Store any type of diagram or image (P&ID, SLD,...etc)
- Link visualization diagram or image to system or equipment tag number

VISUALIZATION LIBRARY

- Configure Risk Matrix scale for any type of risk impact (Production, Safety, Environmental, Cost, Politics,...etc)
- Configure Risk Matrix scale for Likelihood/Probability of event

RISK ASSESSMENT CRITERIA MODULE

Calibrate Risk Assessment Scale & Criteria

ANALYSIS MODULES

FAILURE MODES & EFFECTS ANALYSIS (FMEA)

SPARES CRITICALITY ASSESSMENT

DEFECT KNOWLEDGE CAPTURE

REPAIR KNOWLEDGE CAPTURE

RISK ASSESSMENT

- Failure Mode & Effects Analysis review for critical equipment
- Custom scoring criteria
- Automated FMEA analysis sheet linked to equipment tag number or system
- Analysis notes capture

FMEA

- Critical spares analysis
- Critical spares knowledge capture
- Linked automatically to equipment asset register
- Supply Chain criticality review
- Graphical output of spares criticality analysis

EQUIPMENT SPARES CRITICALITY ANALYSIS

- Individual equipment defect knowledge capture
- Root cause contributor identification
- Failure mechanism identification
- Fish bone diagram build
- Comprehensive defect and failure graphs from knowledge capture

DEFECT KNOWLEDGE CAPTURE

- Capture specific knowledge on repair history
- Capture cost history
- Graphical output of repair knowledge

EQUIPMENT REPAIR KNOWLEDGE CAPTURE