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JRC Capital Management Consultancy & Research GmbH - Company Overview

- Asset management company with a strong focus on quantitative analysis and on R&D
- Founded in 1994 in Berlin
- Since 1996 developing, implementing and managing quantitative trading strategies for bond, stock and currency markets
- Participating in several EU research projects over the last 20 years.

Importance of real time risk Assessment

- Risk metrics: VaR / Expected shortfall
- Risk Assessment: made mostly ex-post / end of day
- Changes in the algorithmic trading technology
- Challenge: provide detailed risk information in a timely manner
- → How ? By implementing standard risk metrics for risk supported by real-time data sources

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Insights only after some time

Risk-assesment



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Pre-Trade Risk Assesment (What-if)

Sentiment Analysis

Real-Time Risk Analysis

Trade Execution

Monitoring









- Newspapers
- Blogs
- Websites
- Forums

- VaR
- ES
- Sentiment
- Either trade is accepted or refused

- Based on real-time risk numbers and analysis
- Performance
- Real-time risk
- Possibility to adjust quickly regarding risk



Benefits of real time risk assessment

- Real time monitoring vs. End of day
- Ability to show at any time that the risks are constantly evaluated at different levels (trade, portfolio, product)
- Knowing whether the risk of a new trade is consistent with pre-defined risk levels (investment guidelines)
- enabling faster and more flexible adjustments to changing market conditions