





CASE STUDY:
Risk Engineering
Intelligent Austomation



UNDERWRITERS' DAILY ACTIVITY

AS-IS Situation

- Risk engineers produce desktop risk assessments for specific risks, e.g., fire, based on the grading of selected risk factors, e.g., building combustibility
- Assessment based on third party risk reports
- Risk Grading scores are a key input for risk selection and pricing
- Performance of desktop
 assessments consumes a lot of time
 of the engineers with tens of
 thousands desktop assessments per
 year

Pain Points

- Limited capacity: risk engineers struggle to assess the risk on all renewals and request for quotations
- High level of subjectivity (> 25% disagreement): different engineers typically assess different risk scores
- Expensive process: to guarantee high-quality the process may reveal very expensive



A REAL EXAMPLE

- ✓ Long and content-intensive documents
- Completely different layout, structure and language usage (depending on the provider)
- Unless you read the entire report, you cannot understand the risk and adapt it to your model

Third party risk report











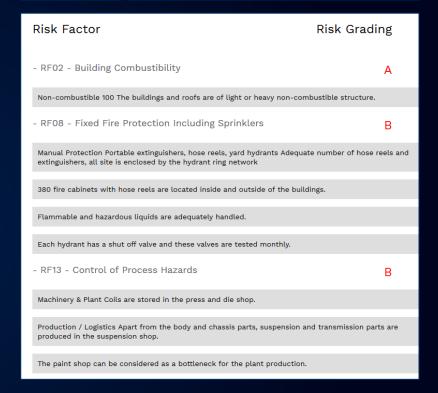


Expert System Cogito for Underwriting in a nutshell:

- Detects the occupancy, applying standard taxonomies (NAICS, SIC, etc)
- Detects the risk factors across the entire report
- Assigns a grading to each risk factor applying custom grading scale (A-D)
- Weights the different risk factors and return an overall score
- Aggregate the information by location (multiple locations in the same report, many reports for the same location)

NAICS Code

443 - Retail Trade/Electronics and Appliance Stores



Risk grading score







Free up time of risk engineers and underwriters: this time could be used to do more onsite assessment and improvement visits to risks with higher probability for large losses

Increase standardization & accuracy: the level of subjectivity is huge (> 25% disagreement)



Improve analytics

Augment capacity: increase the number of assessments and hence quotations

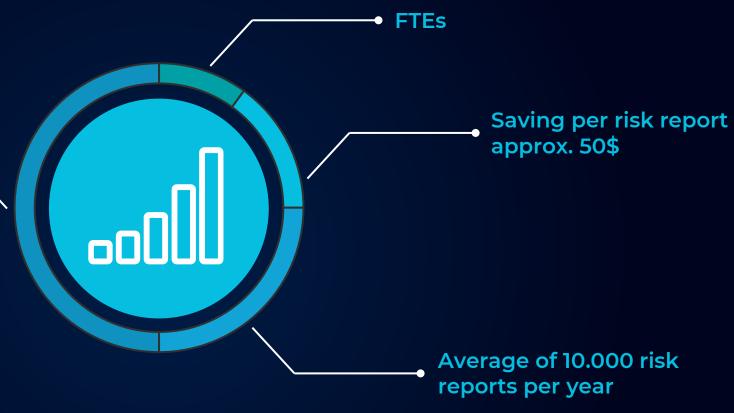
Reduce process time: hence offer a better customer/broker experience







Cost covered already in the first year



RUN RATE BENEFITS PER YEAR

> USD 500.000





REFERENCE

AXA XL

AXA XL partners with AI specialist Expert System on property risk engineering risks







Agents for South East Asia

https://raedanai.com

Call us now!

Andrew 0414 911 923

Sharyn 0402 268 680



linkedin.com/company/expert-system