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Risk mitigation in

location decision-making

Adapting the preference-based accommodation \checkmark strategy design approach to incorporate risk mitigation

A look into the



How can Kisk management effectively be incorporated in a Preference - based

Location decision-making process?



Matching supply to preferences

The Preference-based Accommodation Strategy design approach





A changing world

Building

Sustainability improvements

City

Changing accessibility

Region

Dynamic demographics

Country

Unstable economic conditions



Changing location characteristics pose a risk to the alignment between the corporate real estate strategy and the business strategy

Matching supply to preferences

The Location Decision-Making design approach









Identifying preference







Identifying preference



Talent



Amenities





Space

Mapping preferences (step 1 – 4)

Talent availability

Weight: 0.5

Risk: yes







Determining constraints (step 5)

Not more than €5 mn for entire portfolio.





Selecting locations (step 6)

Amsterdam Sarphatistraat

Leiden Hooigracht

Delft Elektronicaweg

Rotterdam Blaak

Eindhoven PSV laan

Utrecht Oudenoord



Building the model Location data Preferences Matlab model Weights & risk appetite Constraints

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Location data	Matlab model	
Constraints		Weights & risk appetite



Risk importance and appetite (step 7 – 8)

50% certainty of the location aligning with your preferences.



Alignment now is slightly more important than future alignment.

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Location data	Preferences
Matlab	
model	
Constraints	Weights & risk appeti

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Brockwell & Davis, 2002

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Testing the framework

engie



Testing the framework

engie

Confidential



Evaluation







"Integrating the future in the model is certainly an *added* value. It forces us to think better on what we find important in a location, and how we should run our business."

Attractiveness



"Playing with selecting the locations helped me to understand how the model works, and increases my faith in the model in that it calculates everything based on my input."



"It would be great if the model would be dynamic, that changes to for example the weights could be reflected in real-time, as to support the discussion during a workshop even better"





"The model helps in reaching a *substantiated conclusion* and making an *informed decision* on a lot more variables than in the current decision making process."

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The Location Decision-Making design approach

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Recommendations



Improving efficiency of the model

Developing a Bézier curve based GUI



Testing the model back in time

