

# ‘Embracing the Uncertain’

## Advanced Risk Management in ABC

Norbert Wendt

Morpho

Business Unit Border Control



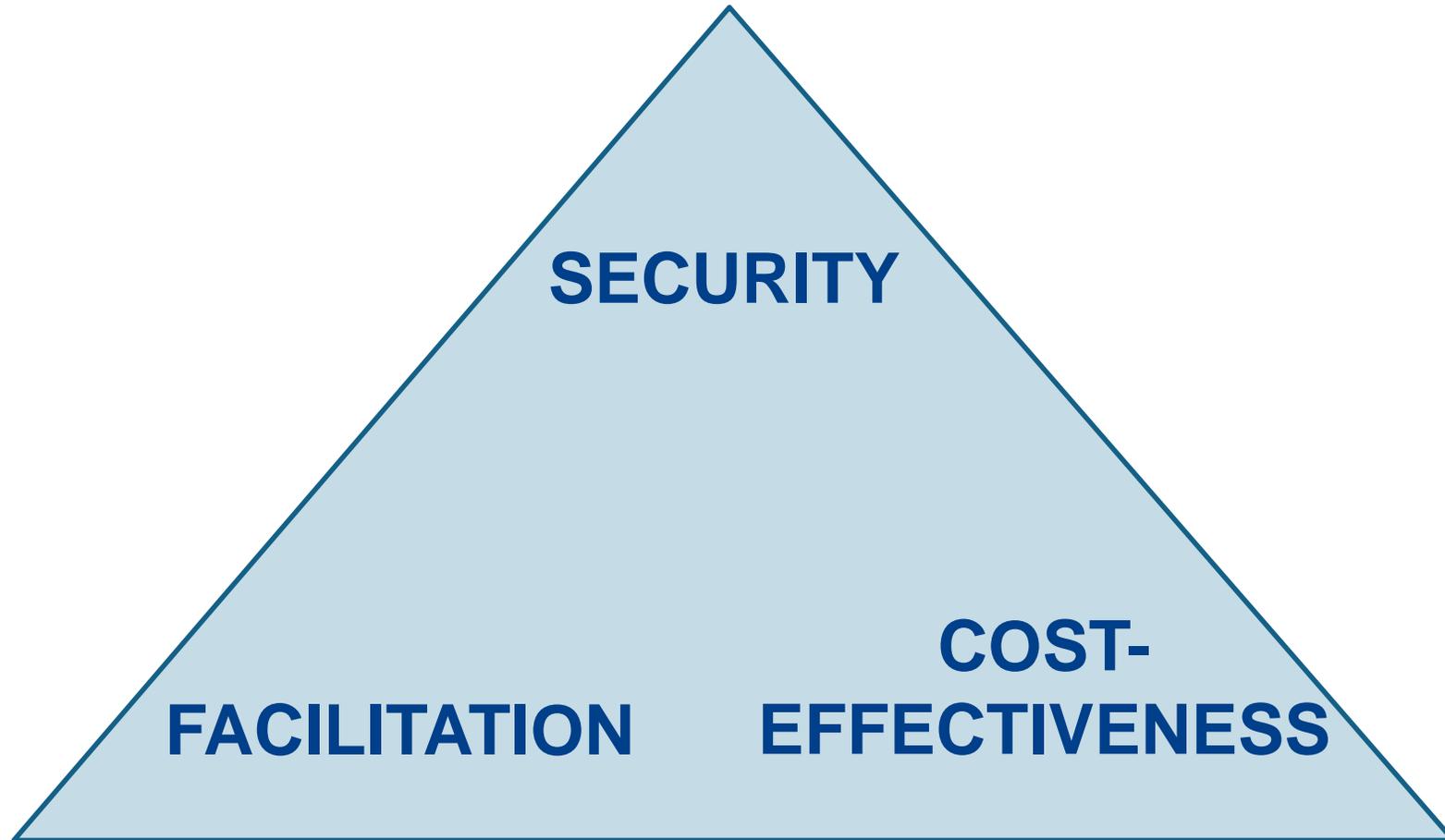
# ABC – Automated Border Control



# The ABC Dichotomy

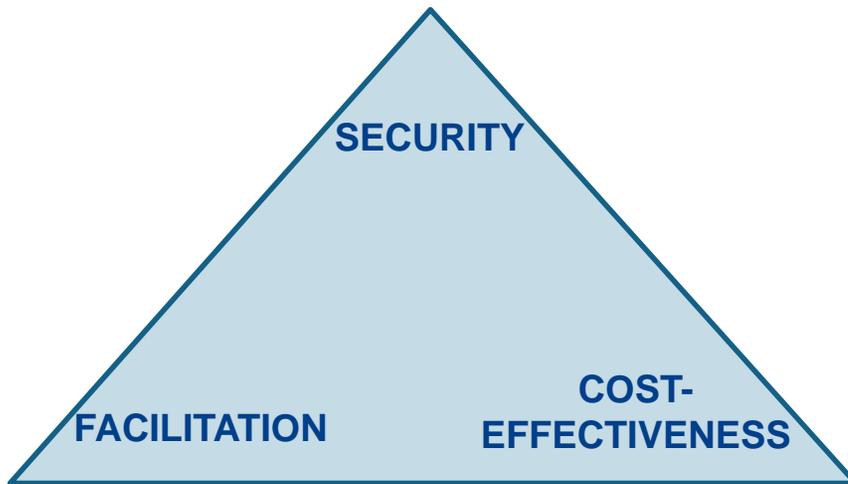


# Adding The Treasurer's View

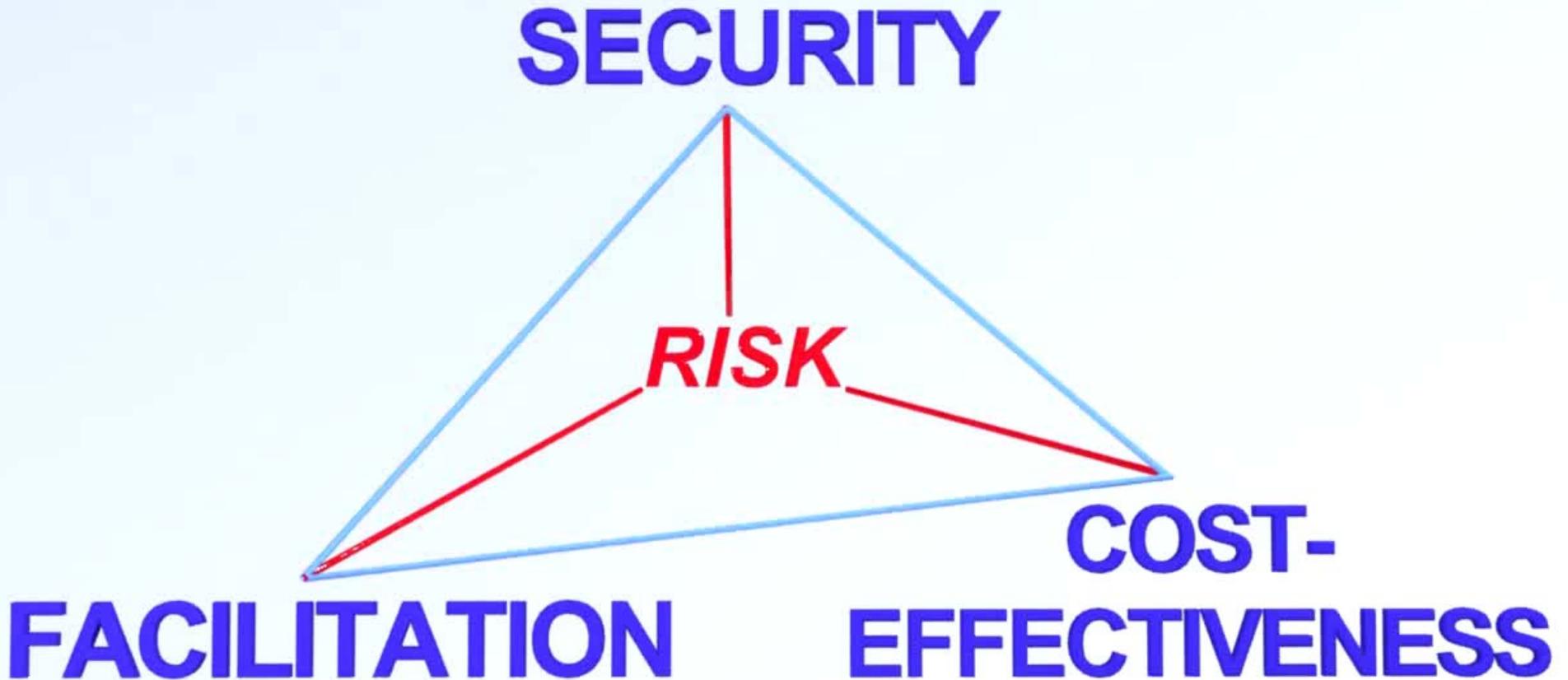


“Traditional” Security Project Triangle

# Dealing With Uncertainty



# Risk As A Separate Dimension



# Examples of Technical Uncertainties in ABC



- Passport authentication
  - Biometrics
  - Separation control
  - Watchlist matches
  - Left items detection
- Pattern recognition
- UNCERTAINTY

# Risk Management – The Answer to Uncertainty



Project ID: \_\_\_\_\_  
 Product: \_\_\_\_\_  
 Project leader: \_\_\_\_\_

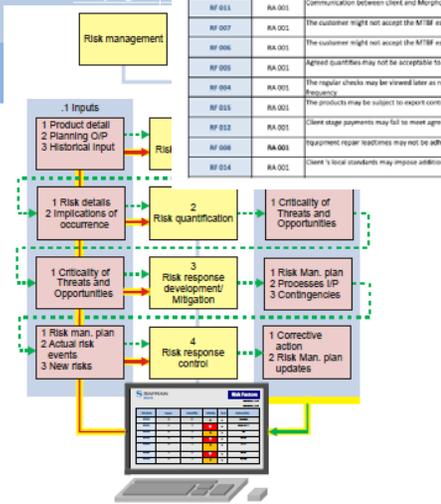
Operational parameters:  New  Trend  Since

Risk level: \_\_\_\_\_  
 Actions:  Open  Being archived  Closed/Cancelled  
 Anomalies:  Total  Closed  Rejected  Duplicated  In progress

Risk ref.	Risk analysis ref.	Description of Risk	Impact	Probability	Criticality
RF 001	RA.001	No certificate of registration may be available	Significant	Unlikely	0
RF 002	RA.001	Additional vehicle registration may require full registration in France	Major	Average	8
RF 003	RA.001	The client may impose penalties on the functional performance of products	Significant	Average	6
RF 004	RA.001	The performance of the algorithm may be insufficient on local license plates	Significant	Likely	9
RF 005	RA.001	The multi-vehicle classification P1/V1 might not meet customer expectations	Average	Very likely	8
RF 006	RA.001	The equipment may be obsolete	Significant	Average	6
RF 007	RA.001	Communication between client and Morpho may be difficult	-	-	-
RF 008	RA.001	The customer might not accept the MTRM estimate	-	-	-
RF 009	RA.001	The customer might not accept the MTRM estimate	-	-	-
RF 010	RA.001	Agreed quantities may not be acceptable to the client	-	-	-
RF 011	RA.001	The regular checks may be viewed later as not being frequent	-	-	-
RF 012	RA.001	The products may be subject to export controls	-	-	-
RF 013	RA.001	Client stage payments may fail to meet agreed date	-	-	-
RF 014	RA.001	Equipment repair lead-times may not be adhered to	-	-	-
RF 015	RA.001	Client's local standards may impose additional dev.	-	-	-



- Processes
- Tools
- Brains
- Technology
- Actions



# Thanks for your attention



# MORPHO

MAKING LIFE SAFER AND EASIER