USING BIOMETRICS TO UNLOCK RISK BASED SCREENING
PASSENGER JOURNEY

booking  check-in  bag drop  airport enrolment  security  border control  personalized airside experience  boarding  take off

handling  screening  loading
BIOMETRICALLY ENABLED WORKFLOW

A: Enroll → capture biometrics and boarding pass
B: Divest → capture biometrics and tray
C: PAX Screening → capture biometrics
D: X-ray/PAX screening → switch sensitivity based on RISK
E: Divert → based on RISK
F: Recheck → show PAX image for each tray
G: Exit: → capture biometrics
DIFFERENTIATED SCREENING

Divestment  Primary Screening  Body Screening  Reclaim  Secondary Screening

• Automated Tray Return Systems (ATRS) / Automated Screening Lanes (ASL):
  The first ATRS was introduced by Smiths Detection in 2007 in LHR
Risk Based Screening

“Sifting the haystack”

Enabling you to focus resources on where they are needed most - improving security levels, operational efficiency and passenger experience.
FOCUS ON / AVIATION / RISK BASED SCREENING

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RISK BASED SCREENING – TOTAL AIRPORT SECURITY SCREENING SOLUTIONS
RISK BASED SCREENING AT DEPARTURE

Passenger Data
- PNR/API
- POLICE/INTERPOL
- WATCH LISTS
- BIOMETRIC IDENTIFICATION
- HBS + Checkpoint Screening Results

AI Decision Making
- No Fly
- Selectee
- Standard
- Expedited

Separation of passengers into risk levels using AI and Machine Learning decision support technology

Dynamic risk engine application to generate relevant data based on individual risk evaluation of different controlling authorities

Transit & Arrival

Screening Results

DEPARTURE
Regulatory compliance today and into the future

Streamlining the process and reducing queue times:
Supporting airport growth and profitability with increased non-aeronautical revenues

Improving productivity, throughput and reducing operating costs
RISK BASED SCREENING IN AIRPORTS

Smiths can support the Aviation Eco-System by providing a safer and more secure aviation network.