

# AUTOTHREAT

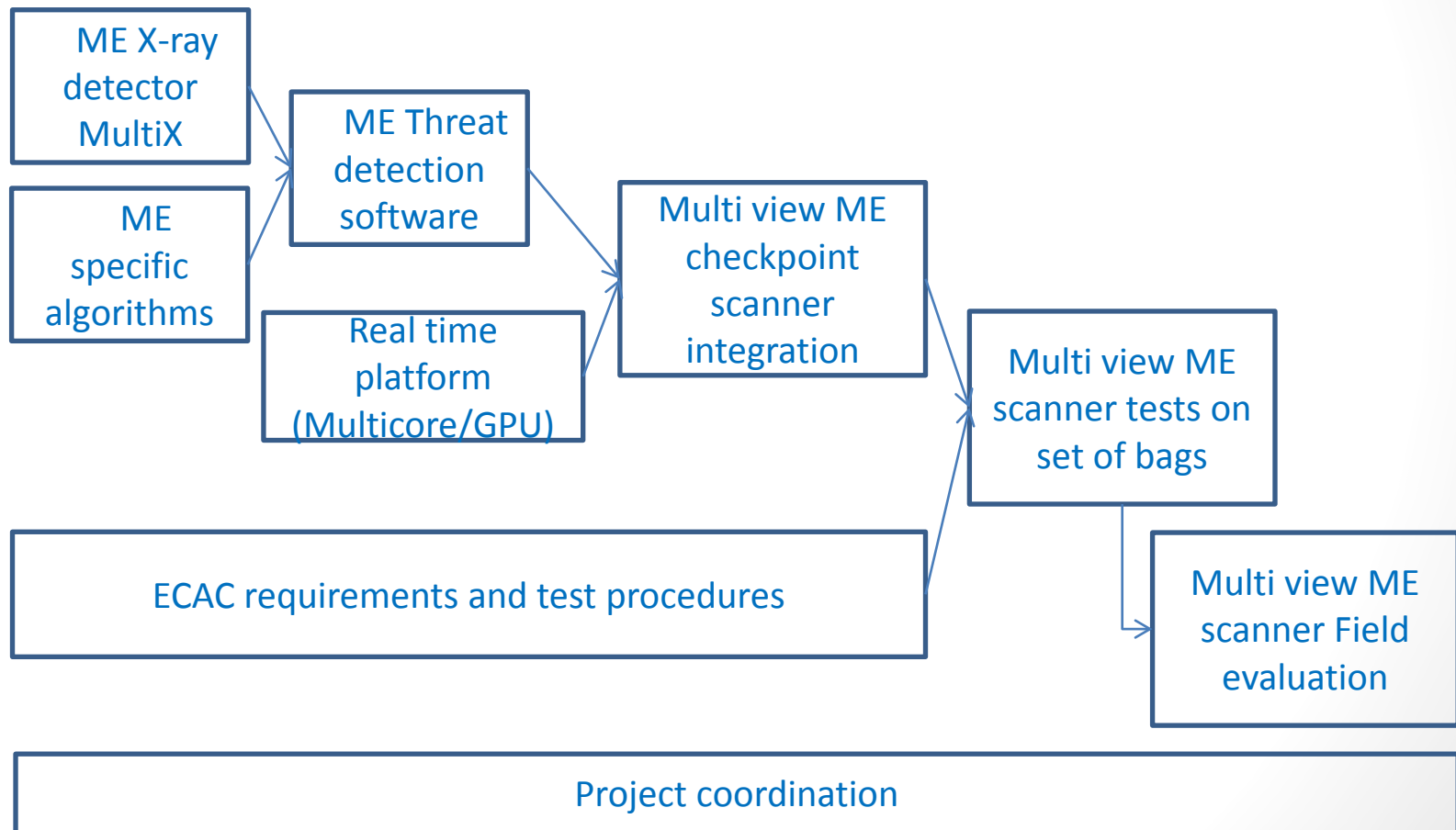
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  - *MultiX*
  - *Role: WP leader*
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- *Proposal activity: SU-FCT02-2018-2019-2020:  
Technologies to enhance the FCT Sub-topic: Open*

# Proposal idea/content

- *Automatic threat detection software for checkpoint x-ray scanners including liquid and solid explosives for EDS CB C1, C2 or C3 specifications.*
- *Multi-energy (ME) detection has already demonstrated significant improvement in image quality and material discrimination of concealed material including explosive in lab. conditions with off-line and non-real time software and algorithms. AUTOTHREAT targets to develop real-time software and algorithms including new multi-energy methods to allow automatic threat detection (including solid and liquid explosives. Market : all airport, rail station, harbor and all baggage checkpoint and parcel inspection.*

# Proposal diagram (preliminary)

- *Automatic threat detection for checkpoint x-ray scanners*
- *Typical duration : 18 months*



# Project participants

- Proposed coordinator: *to be founded*
- Partners / Other participants:
  - *1 OEM, world leader in x-ray scanner for checkpoint - Italy*
  - *1 public lab. Great expertise in image processing algorithms - France*
  - *1 civil aviation technical center of the French civil aviation authority. Very much involved in the fields of airport infrastructure and equipment, air navigation, environment, air transport safety, and transport...*
- Looking for partners with the following expertise/ technology/ application field:
  - *Expertise in x-ray scanner ECAC certification/approval process*
  - *Foreign certification entity ( TNO, ...?)*
  - *End user airport for field demonstration*