

**eye P** Media



# MOBIO Demonstrator

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**EyePmedia – 1020 Renens**

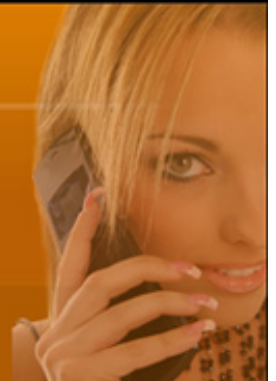


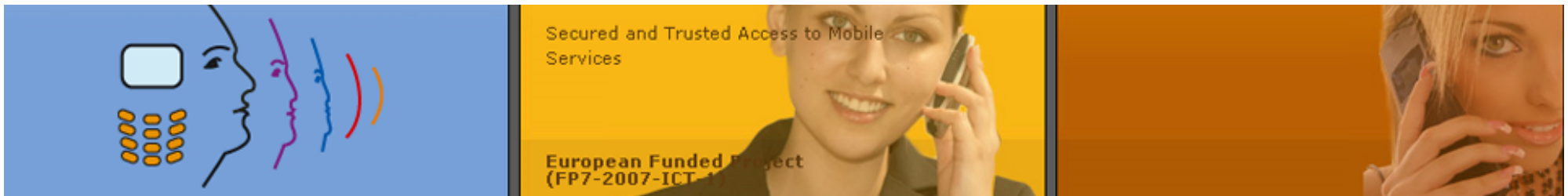
## MOBIO - Mobile Biometry

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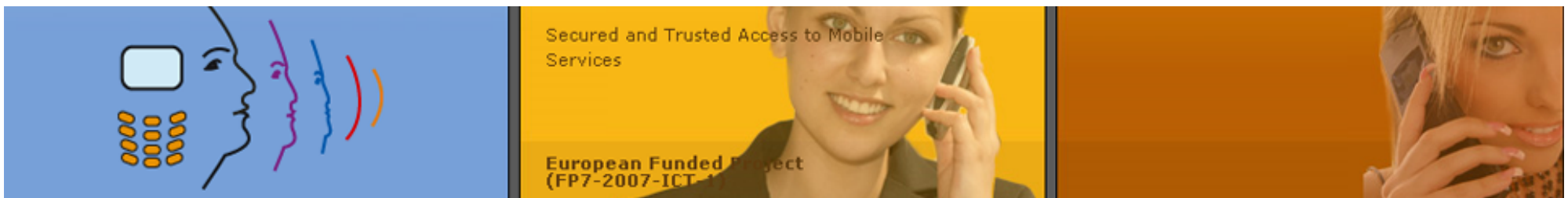
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# MOBIO Demonstrator

- Overview
- Bank Use Case
- MOBIO Demonstrator Interface
- Live Demo



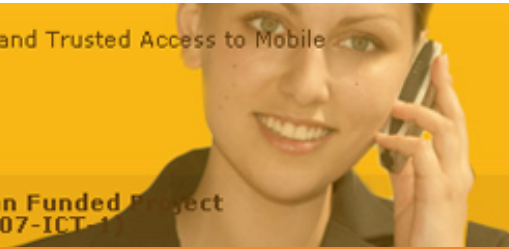
# Overview

- **Four Modules to integrate:**
  - IDIAP (S. Marcel), MCT-based face detector
  - UMAN (H. Bhaskar), CLM-based face localization
  - UNIS (Chan Chi Ho), LBP-LDA face verification
  - BUT/UAPV (H. Cernocky), UBM/GMM speaker verification (with channel compensation)
- **Two applications Developed:**
  - Banking Use Case Demonstrator
  - Enrollment application



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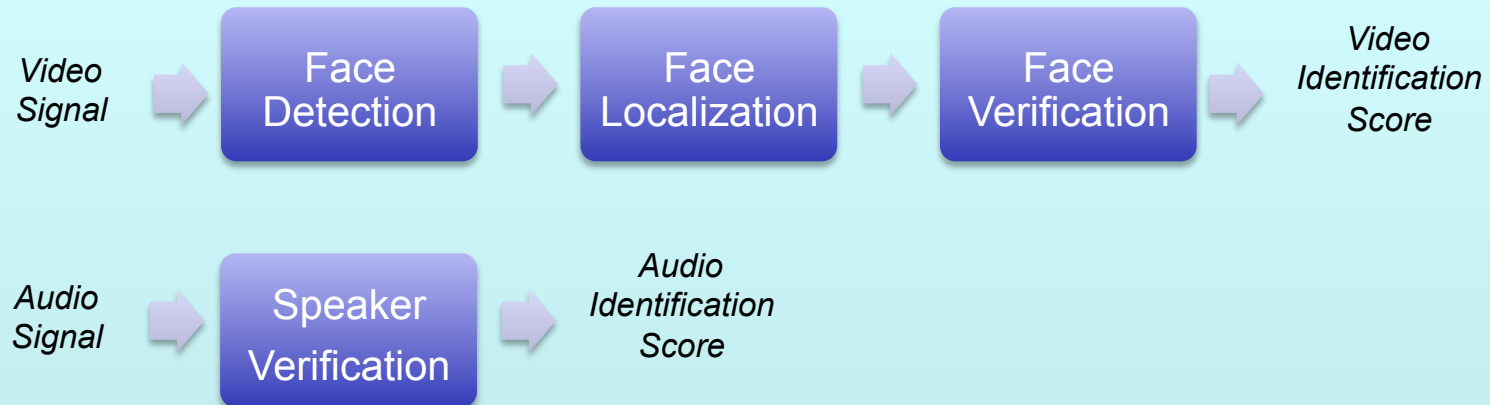


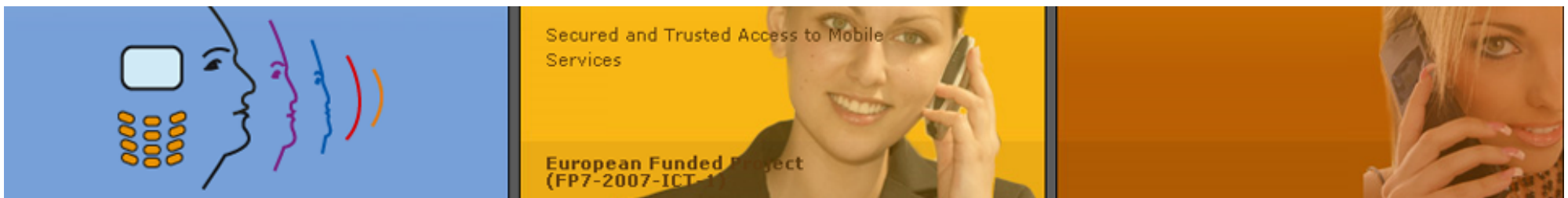
# Overview

GUI

SIP

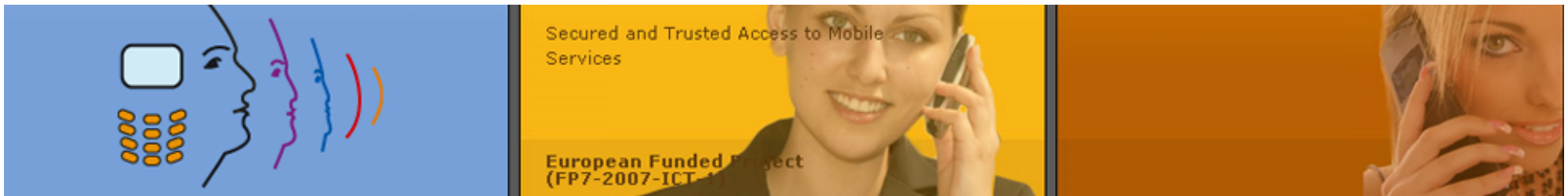
Media Stack





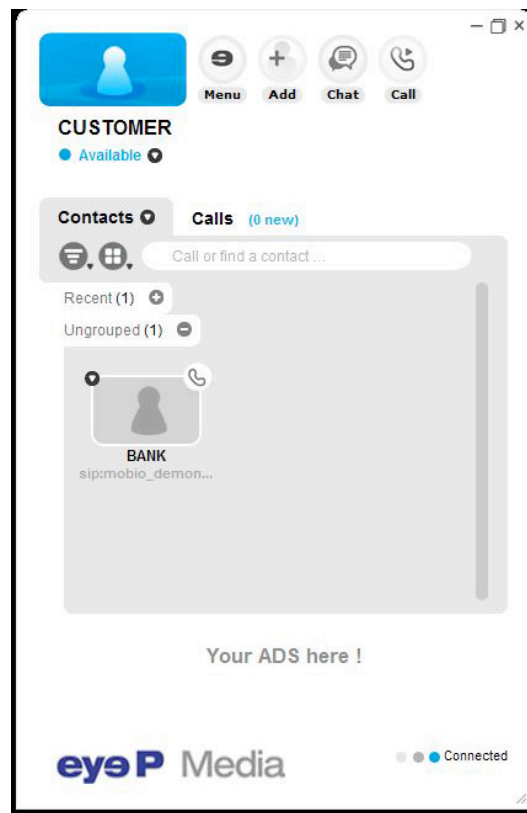
# MOBIO Demonstrator: Bank Use Case

1. A customer calls his bank
2. The bank employee will ask questions to identify the customer
3. During each answer, the MOBIO demonstrator will score the identification of the customer (face and speech verification)
4. With the score of each question, the bank employee takes the decision to accept or deny the person

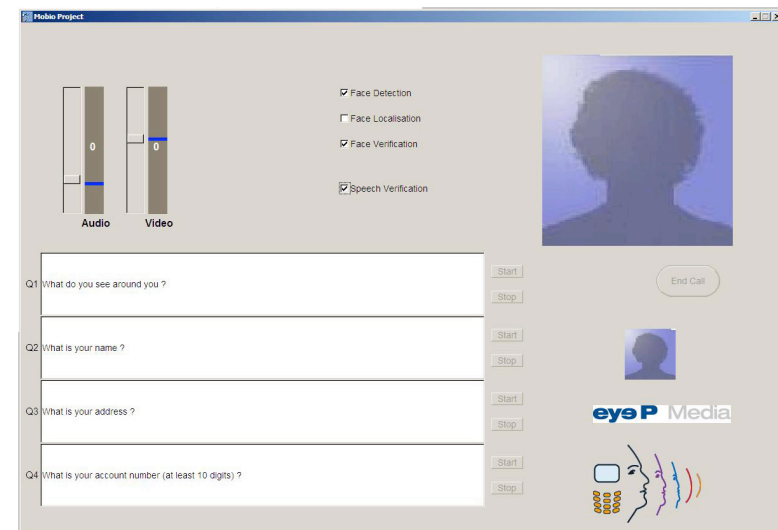


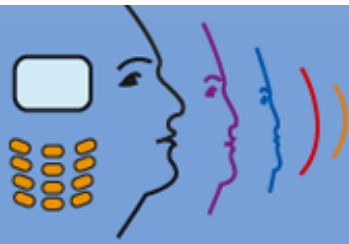
# MOBIO Demonstrator: Step 1

Customer



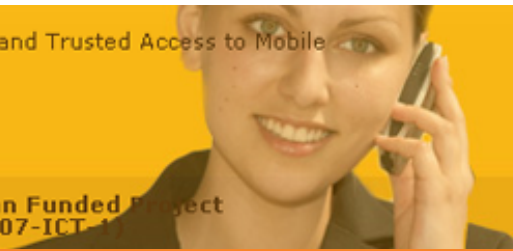
Bank Employee





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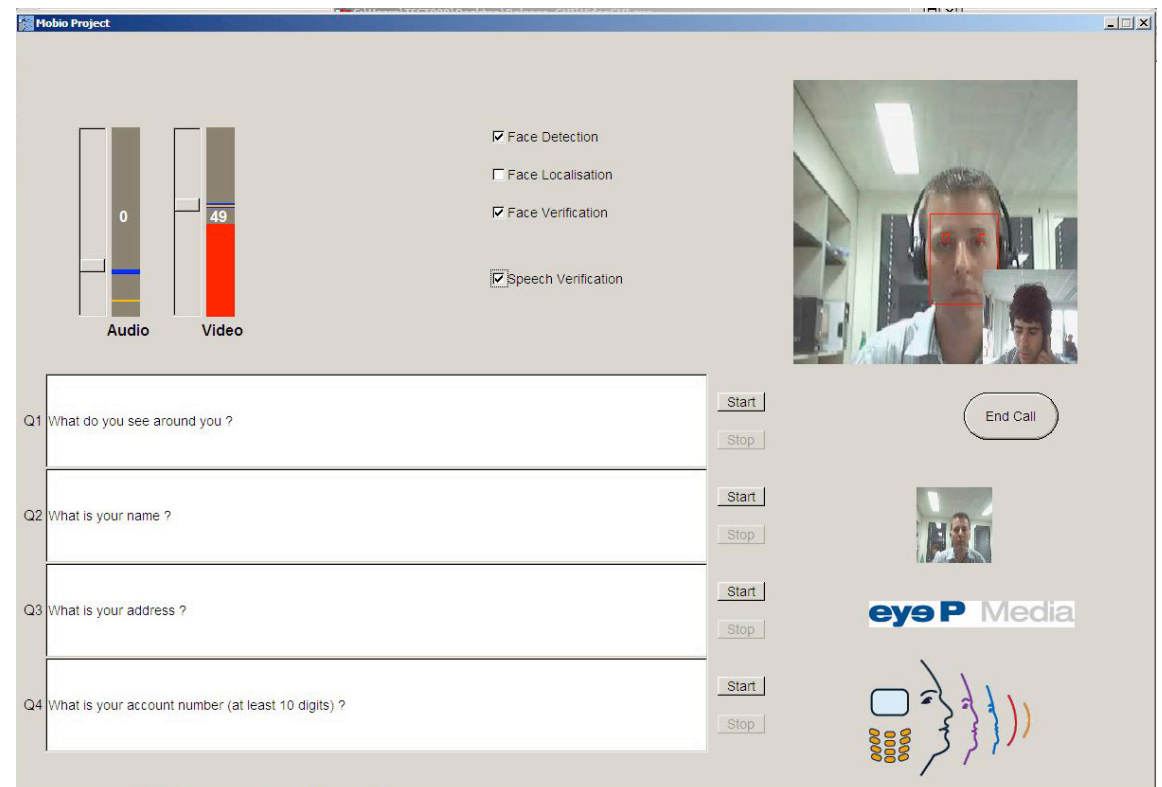


# MOBIO Demonstrator: Step 2

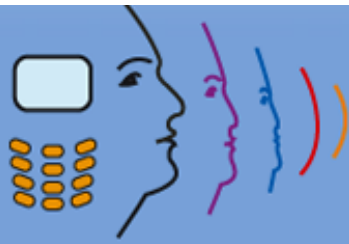
Customer



Bank Employee

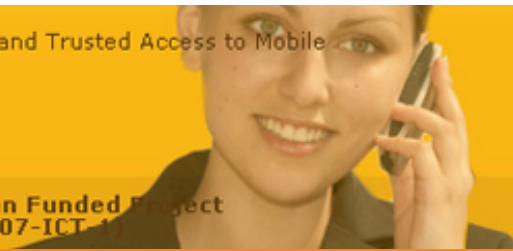






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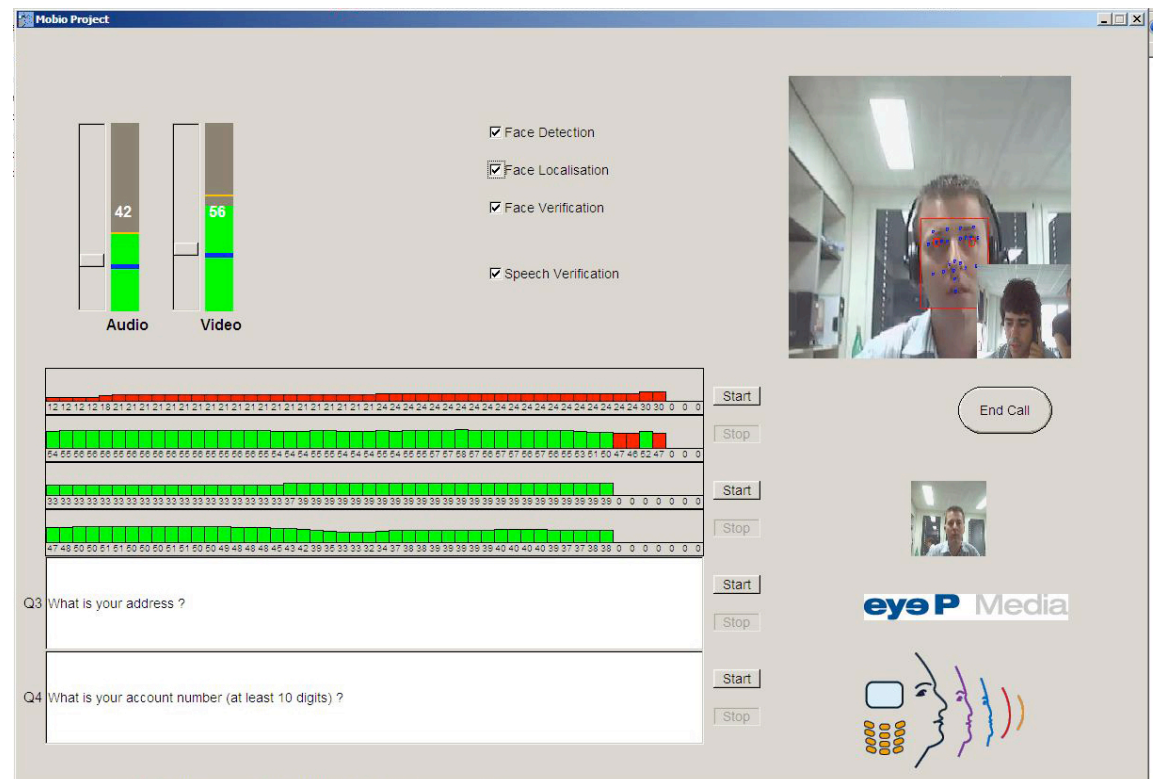
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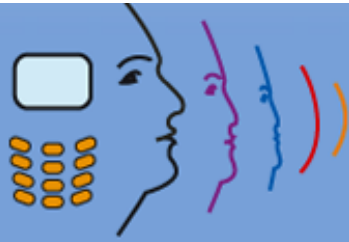
# MOBIO Demonstrator: Step 3

Customer

Bank Employee

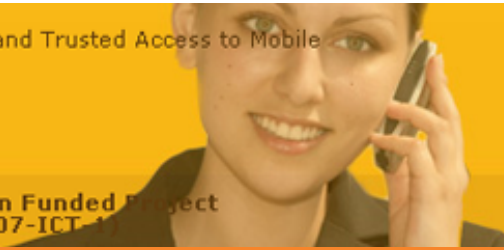






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# MOBIO Demonstrator

## Live Demonstration