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# IOT INTEROPERABILITY MODEL-BASED TESTING *A FIWARE CASE STUDY*

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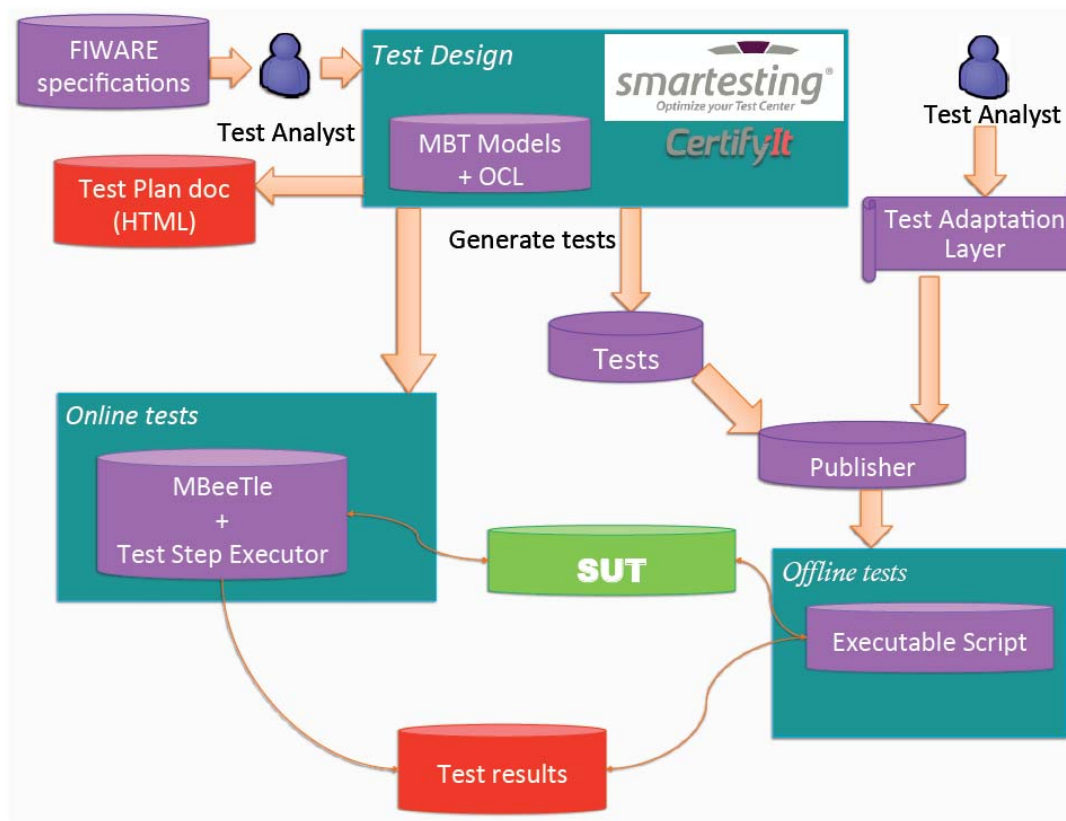


# CONTEXT & RESEARCH OBJECTIVES

- FIWARE is a future internet platform for IoT
- Building confidence in FIWARE leads to testing challenges
- Use of Model Based Testing on **FIWARE** platform
- Standard compliance
  - Functional compliance
  - Integration testing
- Acceptance testing of deployed IoT systems
- Managing complexity & Heterogeneity
  - Input and output data are complex
  - Millions of actuators and sensor's
- Integration Testing
- Offline & online testing

# RESULTS SO FAR

- EspR4FastData Generic Enabler implementation tested





# FUTURE WORK

- Additional FIWARE case studies => Integration Testing
- Expand the test environment setup (TTCN3 publisher, HTML-Unit publisher,...)
- Passive testing approach on current working Generic Enablers implementation
- Test the solutions on Smart cities implementations.