

Deliverable D4.3

Diagnostic algorithm

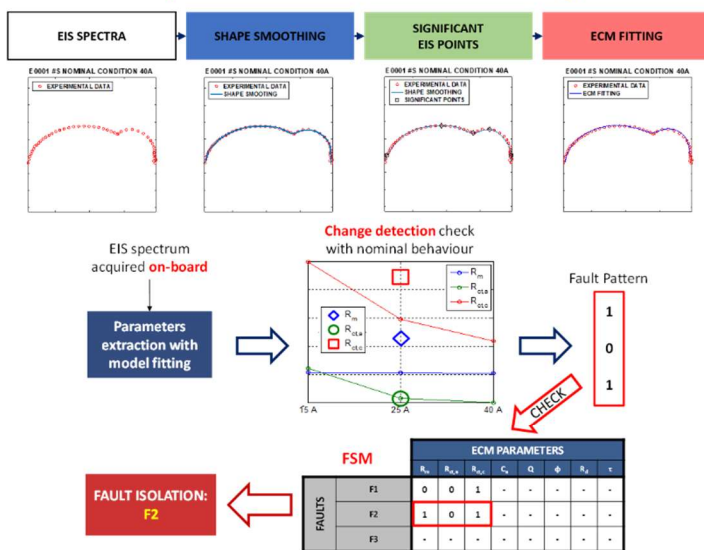
SW and lifetime

extrapolation algorithm

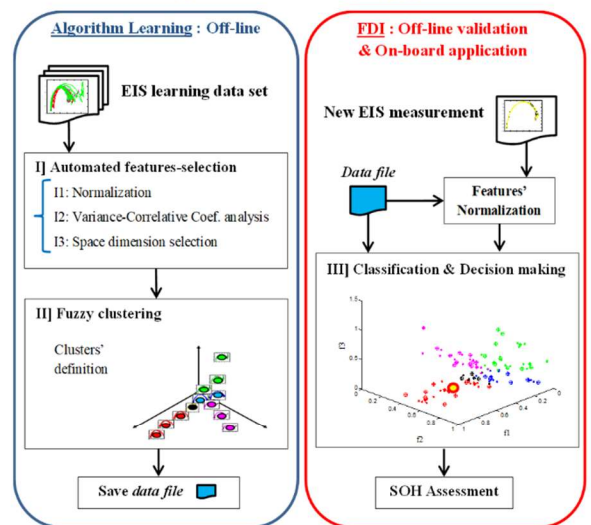
The aim of the document consists in the brief description of the structure and functionalities related to the four diagnostic algorithms designed.

The developed algorithms are: i) an Equivalent Circuit Modelling (ECM) approach in the case of UNISA (P01), ii) a fuzzy-clustering approach in the case of UFC (P07), iii) an ANFIS approach in the case of EIFER (P04) and iv) an active diagnosis approach in the case of AAU (P02). The features extraction processes described in Deliverable 4.2 represent the basis from which the diagnostic algorithms are developed and applied. The features are analysed according to each algorithm procedure as illustrated in the present deliverable. Their performance and robustness offline investigation is reported in Deliverable 4.4

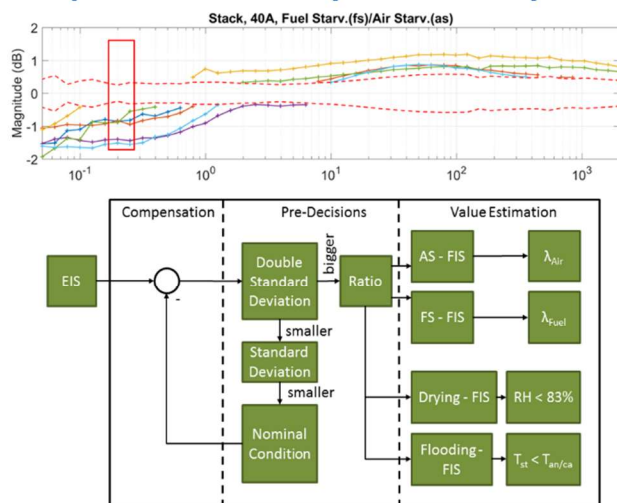
Equivalent Circuit Modelling



Fuzzy Clustering approach



Adaptive Neuro Fuzzy Inference System



Active Diagnosis

