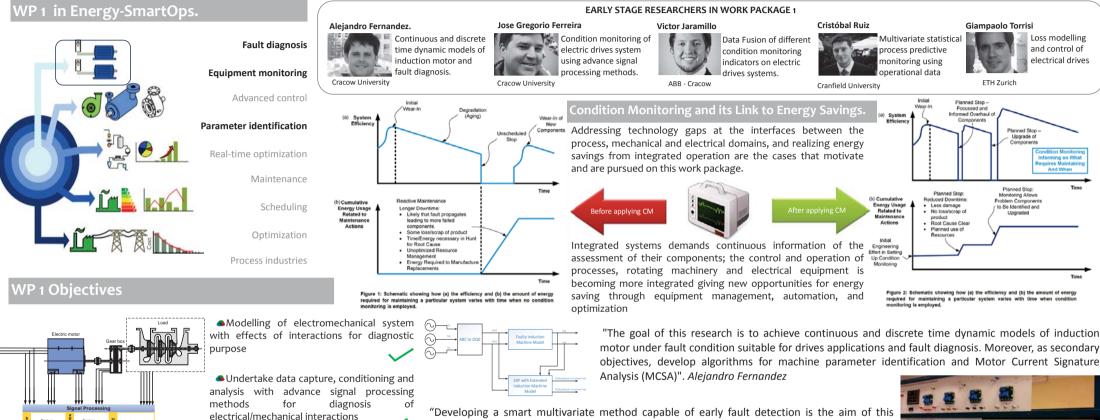
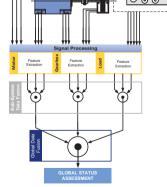


Electromachinery - Work Package 1

ABB Corporate Research Center, Cracow & Cracow University of Technology



olitechnika Krakowsk



Create diagnostic algorithms based on intelligent calculation (neural network, fuzzy logic, pattern recognition) for machines assessment in industry electric drives.

Develop a systematic framework for increasing diagnostic reliability through combination of global diagnostic signals or diagnostic indicators









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Energy-SmartOps consortium investigates equipment and process monitoring, integrated automation and smartOps optimization for energy savings.

http://www.energy-smartops.eu/

motor under fault condition suitable for drives applications and fault diagnosis. Moreover, as secondary objectives, develop algorithms for machine parameter identification and Motor Current Signature

research. It is intended to identify which mechanical or electrical signals are best suited to monitoring and prediction of faults in electrical machines. Integrating the condition of the system assessment it might lead to improvements in efficiency." José Gregorio Ferreira



"The purpose of the tasks in the work package is to Identify potential global indicators that could point to specific faults in systems comprised of several components, in this sense novel technique for the Data Fusion of different condition monitoring indicators has been developed." Victor Jaramillo