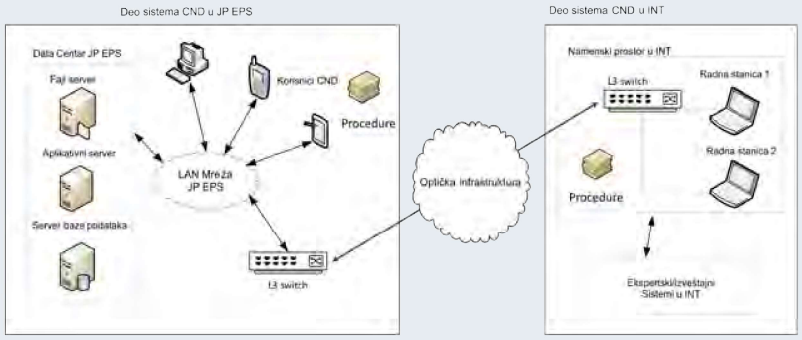
REMOTE MONITORING AND DIAGNOSTICS CENTER - RMDC

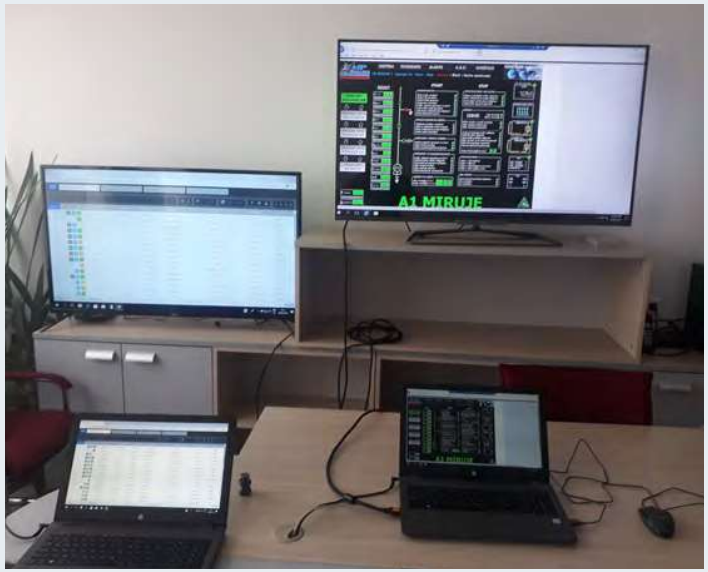
Reasons to start the project

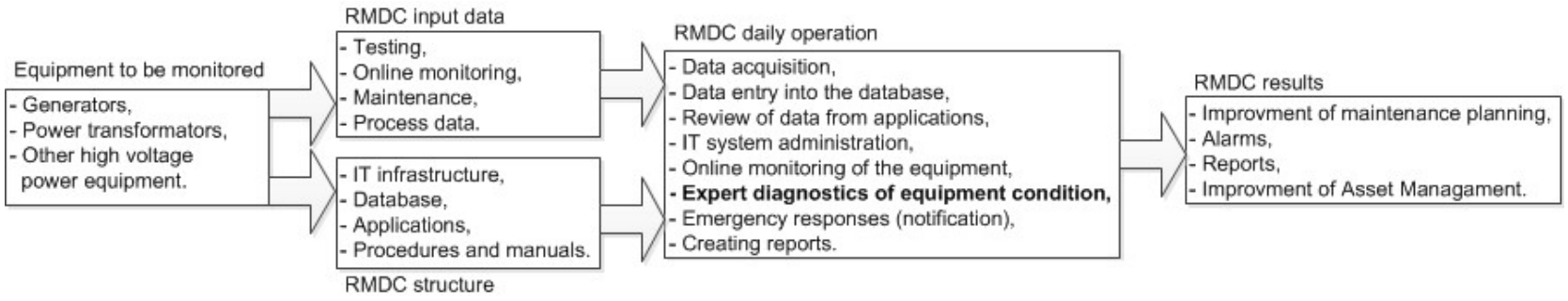
- Asset management improvement in the power sector,
- power sector digitization,
- centralization of the monitoring system of capital high voltage power equipment (HVPE),
- centralization of the system for acquisition and analyzing data on capital equipment,
- updating the database for generators, power transformers and other HVPE.



Diagnostic center job description

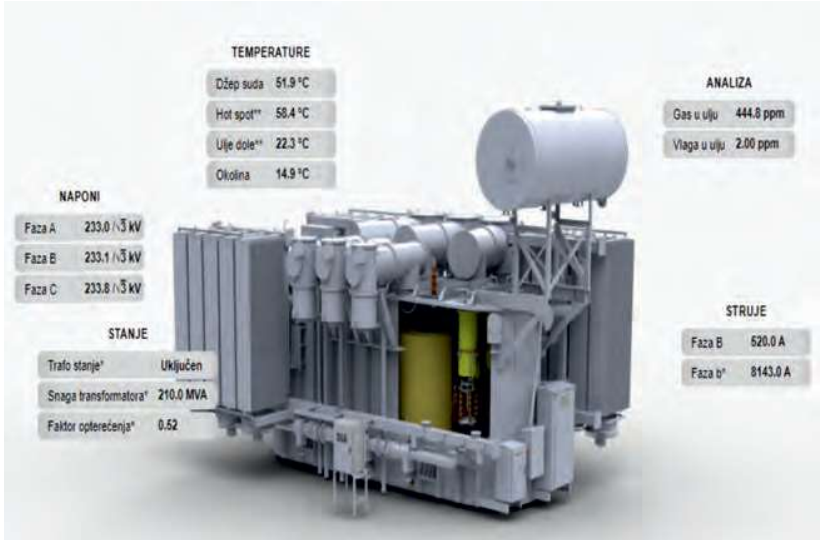
- data acquisition and analysis on a daily basis ,
- expert diagnostics of equipment condition,
- reporting to the clients of significant changes in real time





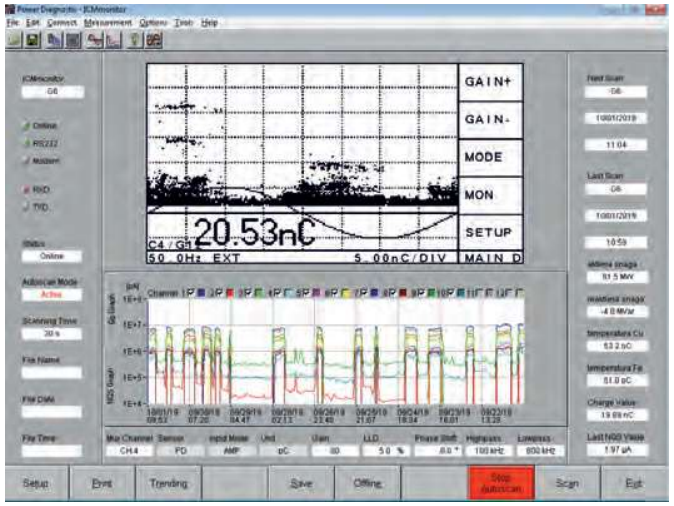
Establishment of the Diagnostic center

- development of a unique conceptual solution matching all users specifics (Conceptual design of the system),
- development of the database and supporting applications,
- acquisition of process data, data from monitoring systems, testing data and maintenance data,
- system security.



Diagnostic center results

- centralization of diagnostics of capital and other HVPE,
- Annual report on the status of HVPE as a significant input for optimizing total maintenance costs,
- introduction and implementation of Condition based maintenance (CBM) policy,
- improved risk management,
- improvement of Asset management.



Conclusion

- improvement of Asset management,
- improving maintenance planning, increasing equipment availability, risk management and cost optimization,
- centralized expert access to all HVPE data from a remote location during emergencies - remote monitoring (e.g. COVID-19 virus pandemic),
- tendency to the Industrial Internet of Things concept.