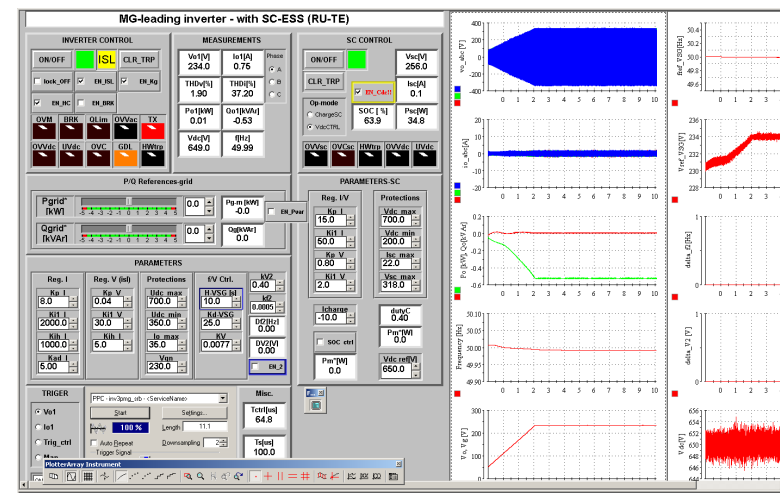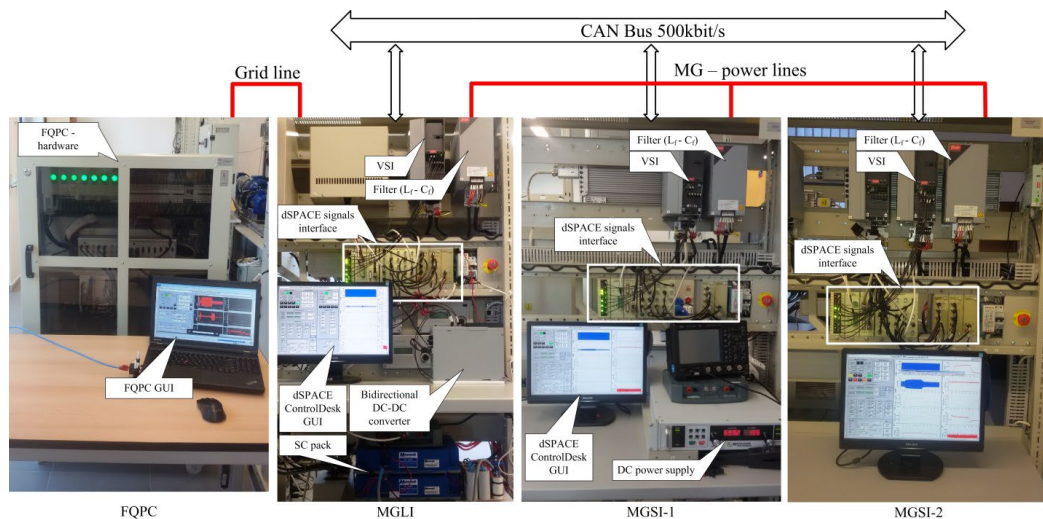# Soluții de îmbunătățire a stabilității dinamice în microrețele electrice cu surse de energie regenerabilă - MICRORES

Descriere: Obiectivul general al proiectului constă în dezvoltarea unor soluții pentru îmbunătățirea stabilității dinamice și calității energiei în microrețele electrice având un nivel ridicat de producție din surse de energie regenerabilă și care pot include atât generatoare convenționale cât și interfețe electronice de putere.

Implementare: Microrețea implementată în condiții de laborator, echipată cu invertoare trifazate funcționând în paralel, fiecare dotat cu un sistem RCP (Rapid Control Prototyping) independent, pentru control în timp real, având procesor RISC și comunicare CAN. Partea software a fost dezvoltată utilizând Matlab/Simulink și dSPACE.

Tehnologii: invertoare IGBT, RCP-dSPACE, comunicatie CAN.

Durata: 24 luni (Oct.2014 – Nov.2017)   **Finanțator:** UEFISCDI   **Buget:** 546.382 RON   **Coordonator:** prof. dr.-ing. Ioan Serban
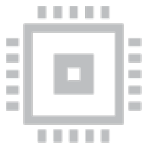
Soluții de îmbunătățire a stabilității dinamice în microrețele electrice cu surse de energie regenerabilă - MICRORES

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