

ROOT-CAUSE ANALYSIS

FOR POWER ELECTRONICS

based on krecotec's expertise in power electronics, IGBT stack design and development capabilities we offer independent root-cause-analysis (RCA) as a service.

gain insights about root-causes of malfunctions to build up knowledge and implement improvements based on our experts proposals. our engineering experience and projects implemented enable us to improve components used to enhance the operational performance.

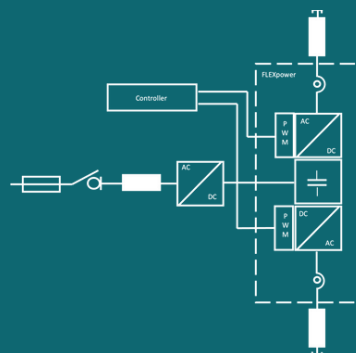
FLEXpower Mk2C MODULE

market driven, krecotec has build up expertise on Vestas' FLEXpower PCS modules installed in V112, V117 and V126 wind turbine systems.

today krecotec provides RCA for defective modules incl.:

- visual inspection
- measurement of components
- measurement of switching capability of power modules
- insulation measurement
- pressure drop test
- end-of-line testing with partial load
- detailed report generation

schematics of electrical and thermal test-bay:



ABOUT KRECOTEC

krecotec is independent from any power electronics manufacturer. we are an experienced engineering team supporting you to find the optimal solution possible to make your project a success from both perspectives, technical and commercial.

power electronics are becoming an integral part of a renewable energy infrastructure. whether your application is sustainable power generation, green hydrogen production or a combination, power electronics represent a central role and are crucial for efficient realization.

we at krecotec are experts in active-front-end power conversion systems. we are here to support your new project implementation or optimizing your lifecycle cost of existing systems.

reach out to us today

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