



Co-funded by the Horizon 2020 programme
of the European Union

Press Release

Jun, 2015

GridON received a prestigious European Commission grant

GridON was awarded the highly coveted Horizon 2020 grant from the European Commission sponsoring research and development of innovative products.

GridON will be utilizing this funding to develop an enhanced product line of Fault Current Limiters (FCL) based on its long proven technology. The new product line is expected to be very economical with significantly reduced footprint – targeting specifically distribution, industrial and independent power producing customers.

GridON is offering FCL products for transmission, distribution and industrial grids, which enable capacity growth, while improving energy efficiency and network stability. By suppressing excessive fault currents, FCLs enable grid meshing and cost-effective connection of additional power generation and renewable low-carbon energy sources. FCLs eliminate network upgrades and early retirement of fit-for use equipment, reducing capex by 10s-100s of millions of euros. FCLs reduce the overall impedance across a meshed grid, hence reducing losses and offsetting millions of tonnes of carbon emissions.

GridON has successfully installed FCLs in live grids. Our FCL at UK Power Networks has proven extremely effective in clamping many faults during the past two years. It has proven extremely robust, reliable and easy to operate and maintain. Another commercial unit is now being installed in Western Power Distribution's primary substation in UK.

While realizing a very large market potential for FCLs, a relatively small and cheap device would dramatically impact FCL adoption in the low-to-mid voltage distribution and industrial networks. GridON has gained extensive experience in designing and manufacturing FCL technology, and trusts its ability to significantly reduce the size and cost of its existing technology.

GridON will be using the EU funding to design, build and test several bench models which will be used as reference designs for commercial scaling.

Additional information can be also found in the European Commission website at: <https://ec.europa.eu/easme/en/sme/5302/upgrading-commercially-available-fault-current-limiter-more-cost-effective-device-enabling>

About GridON Ltd

GridON offers fault current limiters for network operators, power producers and industrial customers. By suppressing excessive fault current, GridON's FCLs enable increased supply by cost-effective network meshing and connection of power generation and renewable energy sources. The FCL improves grid resilience and reliability and significantly lowers capital expenditures and operating costs, while eliminating network upgrades and early retirement of fit-for use equipment.

GridON's FCL is based on combining industry-standard, proven transformer technology with unique and proprietary concept of electro-magnetic flux alteration on a saturated iron core. The fail-safe system responds instantaneously to faults, suppresses fault current for its entire duration, and recovers immediately following fault clearance – being always ready for consecutive faults events.

GridON's commercial FCLs have been operating flawlessly in live networks for more than 2 years, proving the reliability and maturity of the product. GridON is offering scalable FCL solutions from distribution to very high transmission voltage ratings, in partnership with Wilson Transformer Company - Australia's leading manufacturer of high-quality transformers.

GridON was awarded the Global Cleantech 100 and the UK Energy Innovation in 2013, and received the prestigious ACES Smart Grid and GE ecomagination Powering the Grid awards in 2012.

For further information, please visit www.GridON.com or email sales@GridON.com or call +972.3.711.1183.