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**FOR IMMEDIATE RELEASE**

**Q-Star Test Products and Solutions Support and Enable Green Applications and Serve a Greener World**

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Q-Star Test, an innovative supplier of precision IC test and measurement instrumentation and a global leader in advanced high-speed, high-accuracy current test and measurement solutions, produces products and solutions that enable green applications and serve a greener world.

Q-Star Test offers IDD<sub>X</sub> measurement instruments and related solutions, supporting a cost-effective application of true IDD<sub>Q</sub>, Delta-IDD<sub>Q</sub>, advanced IDD<sub>Q</sub>, IDD<sub>T</sub>, and analog IDD test strategies to digital, analog, and mixed-signal circuits, enabling customers to considerably lower the cost of testing and at the same time improve product quality. Q-Star Test' small-sized instruments are ATE-independent and outperform other available ATE-related IDD test hardware by at least a factor of 100 (with respect to measurement speed). In addition, Q-Star products offer a 10x improvement in test data quality (with respect to measurement resolution and repeatability). The hardware solutions are complemented with application and test strategy-related consulting and training services.

Q-Star Test' static/quiescent current measurement instruments (also referred to as IDD<sub>Q</sub> or Iss<sub>Q</sub> modules) of its QD-10xx product family enable very fast and highly repeatable current measurements, serving a wide range of applications, including: Standard and advanced IDD<sub>Q</sub>/Iss<sub>Q</sub> tests; stand-by, power-down, bias and average current measurements; analog DC and low frequency current measurements.

These products contribute to a greener world in various ways:

- Because they make measurements faster than traditional equipment, they save time and energy
- They allow customers to better quantify the standby/power down energy requirements of the parts they measure, allowing better selection and longer battery lifetimes – yielding less battery waste and less energy consumption
- They also enable better screening of manufactured ICs, yielding better-quality products, fewer failing devices, and hence, less waste.

Equally, Q-Star Test's dynamic current measurement instruments (also referred to as IDD<sub>T</sub> modules), and in particular Q-Star's QT-1411 product, serve a wide range of applications, including: Dynamic and transient (IDD<sub>T</sub>) current tests, power profiling of circuits and systems, active current consumption, and E-fuse programming validation.

Being able to better quantify the active/dynamic current consumption of the parts they measure, Q-Star products contribute to a greener world in various ways:



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- by better quantifying the active energy requirements of the parts they measure, they allow:
  - a better selection and longer battery lifetimes – yielding less battery waste and less energy consumption
  - improve system power management
- by better screening of manufactured ICs, yielding better quality products and fewer failing devices, hence, less waste.

### ***About Q-Star Test***

Q-Star Test was founded in 2000 by Hans Manhaeve, Ph.D., an award-winning researcher from IMEC, the renowned European Microelectronics Research Centre. The firm produces high-speed, high-accuracy precision current measurement modules that work in conjunction with automated test equipment (ATE) as provided by Teradyne, Verigy and LTX/Credence to greatly reduce production test times while improving test and product quality. The firm has expanded over the years and recently forged collaboration agreements with key firms in the USA, Japan and Taiwan. For more information, please visit [www.QStar.be](http://www.QStar.be)

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