Xsilon PRESS RELEASE

Xsilon launches communication industry's first In-Home M2M solutions

Wednesday 29 February 2012 – MWC 2012, Barcelona:

Xsilon, the leading In-Home M2M connectivity developer, today launches its HANADU "Whole Home, Every Home" connectivity technology.

M2M services delivered wirelessly struggle to reach devices that are located inside homes, as external wireless networks struggle to penetrate the shell of the building and internal wireless networks continue to face challenges with the obstacles, clutter and coverage deadspots within a typical home environment. As M2M services look to connect to mobile devices that move in and out of the consumer's home, and as M2M services within the home begin to take off, a new generation of reliable M2M connectivity is now needed for mass market take-up to begin.

HANADU delivers a ubiquitous In-Home M2M experience for service operators and equipment vendors. It is a revolutionary communications technology that delivers *Whole Home, Every Home* connectivity at a cost point compatible with low margin domestic appliances as well as higher value consumer electronics. It reaches within the home to every point where M2M connectivity might be needed, and overcomes the deadspots and range problems typically associated with previous in-home deployments. Unlike equivalent wireless offerings, costly but underused repeater points are not needed. Ad hoc topologies are supported with auto-discovery routing algorithms, and the bandwidth scales to support many dozens of connected endpoints within a single home.

HANADU comes with a radically lower power consumption than legacy approaches. Its small form factor enables integration into the smallest of devices, and its feature-rich functionality supports sophisticated interactions for complex devices. State-of-the-art network security keeps householders' privacy fully secure. In addition, HANADU is compatible with all other in-home connectivity technologies, both wired and wireless.

Xsilon's experienced technology team has created HANADU using more than two man-centuries of communications technology development and product experience. Other communications technologies deployed in the home were originally designed for other areas, and compromises in performance or connectivity have inevitably been encountered during deployment as an In-Home M2M offering. Rather than accepting such compromises, the Xsilon team designed HANADU using a cleansheet approach with three design goals in mind: superior performance within the home environment; direct relevance to the needs of in-home M2M applications; and, compatibility with all legacy in-home technologies. Xsilon has generated its own intellectual property in designing HANADU, and it will be opening the technology up to standardisation activities in the near future.

Xsilon will begin delivering its product roadmap based on HANADU technology later this year. First products will allow vendors and service providers to evaluate the connectivity advantages of HANADU technology, followed by connectivity modules for integration into OEM solutions. Dual-

mode solutions are also being designed, allowing deep integration with other connectivity solutions such as WiFi (802.11), ZigBee and Ethernet.

Key application areas for HANADU solutions include smart meter connectivity in mainstream environments as well as in difficult building deployments, in-home energy management solutions, appliance monitoring and maintenance applications, and telemedicine services.

About Xsilon Ltd:

Xsilon has developed the first connectivity technology for ubiquitous In-Home M2M. At present, standard M2M services struggle to reach devices located inside residential premises, due to the poor propagation of wireless technologies inside buildings and within a cluttered domestic environment. Xsilon's patented HANADU technology delivers low cost, small footprint, low power, high connectivity M2M capability to all appliances within every home.

Founded in 2009, Xsilon is a privately-funded company headquartered in the UK. Its core team leverages over 200 man-years of experience of communications technology and product development with leading US and European businesses.

About HANADU™:

Uniquely for an in-home connectivity solution, HANADU is a cleansheet design; it is targeted to deliver four-nines connection rates to devices wherever they are in the home, whichever home they are in. Avoiding the inevitable compromises of legacy solutions, it is the first *Whole Home, Every Home™* solution for In-Home M2M. HANADU supports mainstream networking standards such as IPv6, 6LowPAN, Weightless, Home Automation Profile 1.1 and Smart Energy Profile 2.0. By design, HANADU is compatible with all other in-home connectivity solutions, wired and wireless.

First applications of Xsilon's ground breaking HANADU technology include Home Energy Management solutions and Domestic Telemedicine deployments. HANADU can work as the sole connectivity solution within a home, or with complementary wireless or wired solutions. Xsilon's HANADU product roadmap includes dual-mode solutions such as joint HANADU/ZigBee offerings.

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