



Full Spectrum Advisory Board Member, Dr. Massoud Amin, interviewed today on National Public Radio regarding the urgency of implementing the US smart grid

January 14, 2011, Palo Alto, CA. Full Spectrum's advisor on smart grid automation, Dr. Massoud Amin, was interviewed today on National Public Radio's Talk of the Nation.

In today's NPR interview, Dr. Amin highlighted the necessity and urgency of implementing the smart grid and the negative economic consequences of further neglect. Highlights of the interview included the following:

- On any given day, there are more than a half a million US citizens without electricity for two or more hours.
- Power outages in the United States cost the economy, depending on the year, anywhere from \$80 billion to \$180 billion. And the more digital devices in use, the more demand for perfect power will be required.
- The US power grid infrastructure is valued at over \$1 trillion. This \$1 trillion investment underpins the \$14 trillion US economy.
- The cost of strengthening the backbone of the grid, according to the Department of Energy is about \$82 billion, or one year's waste.
- The smart grid, defined as an overlay of sensors and communication and control devices, will cost between \$165 billion to \$170 billion over the next 10 to 20 years. This grid intelligence would reduce outages by \$49 billion a year and increase efficiency of the grid by over 4.5 percent (or \$29.2 billion a year in efficiency) and would reduce emissions by 12 to 18 percent.

A full transcript of the interview with Dr. Amin as well as an audio stream can be found at the following location:

<http://www.npr.org/2011/01/14/132934014/adding-smarts-to-the-electrical-grid>

Full Spectrum's FullMAX system is the only 4th generation communications technology specifically designed for the smart grid. FullMAX offers groundbreaking wide area coverage in a 4th generation wireless system. A FullMAX base station can provide coverage up to 20 miles from a single tower site (approximately 1,250 square miles of coverage). FullMAX's wide area coverage unlocks the power of new smart grid technologies by providing a secure, high-speed, cost-effective network, at costs 20 to 30 times lower than all other networking solutions. FullMAX continues to gain acceptance by the utility industry for mission critical smart grid applications.

About Full Spectrum Inc.

Full Spectrum designs, develops and manufactures licensed broadband wireless equipment for mission critical industries. Full Spectrum's FullMAX™ Broadband Wireless Platform is the first end-to-end private wireless system for all Sub 1 GHz frequencies. FullMAX offers maximum wide area mobile and fixed wireless coverage with minimal infrastructure with data rates up to 10 Mbps. For more information please visit: www.fullspectrumnet.com

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