



FOR IMMEDIATE RELEASE

NEWS RELEASE

Spire Appoints UST Technology to Target Fast-Growing Southeast Asia Solar Market

Spire Selects UST Technology for Representation in Singapore, Malaysia, Thailand, the Philippines, and Indonesia

BEDFORD, Mass., January 29, 2008 – [Spire Corporation](#), (Nasdaq: SPIR), a global solar company providing turnkey solar factories and capital equipment to manufacture photovoltaic products such as modules, cells, and wafers worldwide, today announced it has selected UST Technology Pte Ltd, located in Singapore, as its representative for solar turnkey solutions and capital equipment in Southeast Asia. UST will represent Spire in the high-growth solar energy markets of Singapore, Malaysia, Thailand, the Philippines, and Indonesia.

“The booming Southeast Asia solar market represents a compelling opportunity for manufacturers, and UST is an excellent partner to help us tap this market,” said Spire’s Vice President of Corporate Marketing, Mark Willingham. “With solar demand expanding by double in the region by 2010, we are seeing an increase in new sales activity. In addition, Spire has existing customers locating large manufacturing facilities in Southeast Asia. Providing Spire’s world-class service is critical in this market and UST’s strong technical capability will deliver considerable value to our growing customer base.”

“We are excited to align our organization with Spire and represent such a strong brand in Southeast Asia,” said Francis Chua, Chief Executive Officer of UST. “Spire is the recognized leader in providing turnkey solar factories and solar capital equipment. Their leadership and strong technology portfolio are in great demand in our market.”

About UST Technology Pte Ltd

UST Technology is a well-established and renowned leader in providing technical and engineering support in Southeast Asia. Established in 1974, it has current staff strength of 120 throughout Southeast Asia, serving major multi-national semiconductor and electronics industries.

About Spire Corporation

[Spire Corporation](#) is a global solar company providing turnkey production lines and capital equipment to manufacture photovoltaic modules worldwide. [Spire Semiconductor](#) develops and manufactures custom gallium arsenide solar cells and other related products for the commercial, biomedical and defense markets. The company’s [Spire Biomedical](#) subsidiary is a leader in hemodialysis catheters and implantable device processing services.

For corporate or product information, contact Spire Corporation, “the turnkey solar factory company,” at 781-275-6000, or visit www.spirecorp.com.

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Certain matters described in this news release may be forward-looking statements subject to risks and uncertainties that could cause actual results to differ materially from those indicated in the forward-looking statements. Such risks and uncertainties include, but are not limited to, the risk of dependence on market growth, competition and dependence on government agencies and other third parties for funding contract research and services, as well as other factors described in the Company’s Form 10-KSB and other periodic reports filed with the Securities and Exchange Commission.

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