



# process news

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**SIEMENS**

Integrated solutions for asset management

## A Turn Toward Greater Efficiency

## New Sitrans LG200 guided wave radar level transmitters

### Good Guidance

The two-wire, loop-powered Sitrans LG200 Hart level transmitter can measure materials with a dielectric range of 1.4 and higher, temperatures up to 427 degrees Celsius, and pressures up to 431 bar. It offers reliable level and interface measurement in liquids with corrosive vapors, foam, steam, high viscosity, surface agitation, high fill/empty rates, low level, and varying dielectric number or density.

The new product line of 15 models includes coaxial, single and twin rod, and cable probes. All models are available with Intrinsically Safe, Explosion Proof, or Non-Incendive ap-



The two-wire, loop-powered Hart level transmitter Sitrans LG200 can measure materials with a dielectric range of 1.4 and higher, temperatures up to 427 degrees Celsius, and pressures up to 431 bar

provals. With its compact design and range of threaded and flange process connections, Sitrans LG200 is easy to install. Setup is simple with three programming buttons on the instrument or via a Hart handheld programmer. The user can also program the device from a remote location with the Simatic PDM process device manager via Hart. ■

[www.siemens.com/lg200](http://www.siemens.com/lg200)

## fuel21 GmbH produces bioethanol with Siemens technology

### Bioethanol from Sugar Beets



After a project duration of only about 12 months, the first bioethanol plant of the Nordzucker subsidiary fuel21 in Klein Wanzleben near Magdeburg went into operation at the beginning of 2008 and will produce 130,000 m<sup>3</sup> bioethanol per year

Siemens received the complete contract for the engineering, delivery, and installation of the energy supply, the drive and automation technology, and the field instrumentation for the first bioethanol plant of Nordzucker AG in Klein Wanzleben, Germany. The order included 70 Sivacon panels with Simocode consumer outlets, the Simatic PCS 7 process control system, the drive technology for approximately 250 drives, the process instrumentation for about 1,500 measuring positions, integration of the boiler from the sugar factory, and integration of the existing Teleperm M system. The Siemens Automation Solution Partner on/off was responsible for the services part. The plant has since been finished and was successfully accepted to the satisfaction of Nordzucker AG/fuel21 in March 2008. ■

[www.siemens.com/biofuels](http://www.siemens.com/biofuels)

## Sitrans LR260 radar level transmitter

### Solids Expert

The new Sitrans LR260 two-wire radar continuous level transmitter with Process Intelligence echo processing and 25 gigahertz pulse technology is particularly suitable for level measurement of virtually any solid medium, including cement powder, fly ash, coal, gypsum, flour, grain, aggregates, and plastics. The new transmitter reliably measures up to a distance of 30 meters even in environments with extreme dust load and high temperatures up to 200 degrees Celsius.

With the built-in Easy Aimer feature, the transmitter is simple to install. The multilingual Quick Start Wizard guides the user through the programming of the transmitter and has Sitrans LR260 measuring in minutes.

The transmitter can be programmed via the intrinsically safe infrared handheld programmer or remotely using Simatic PDM via Hart or Profibus PA. Sitrans LR260 includes self-diagnostics that communicate to the local display and across the milliampere loop or network. ■

[www.siemens.com/level](http://www.siemens.com/level)

