

RWD

UK

420 Plus™ batches chemicals

READING, UNITED KINGDOM — Applied Weighing International recently installed Rice Lake's 420 Plus digital weight indicator at Kent-based Monarch Chemicals. Monarch Chemicals is one of the largest and most progressive chemical manufacturers and distributors in the UK, and the blending facility at their Kent site is their latest major investment.

The company decided to switch to the 420 Plus in order to increase their production. The 420 Plus, with its full numeric keypad, allows tare entry directly from the keypad for weighing contents of

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Singapore

SURVIVOR® PT up in record time and 920i® holds the spice

SINGAPORE — Singapore is an island country that embraces 63 islands that are actually growing in land area, fed by ongoing land reclamation projects. Earth from Singapore's own hills and seabed and neighboring countries has enlarged its original 224 square miles to 271 square miles today. Another 38 square miles are planned to be added by 2030.

As further proof of Singapore's enterprising spirit, last September the country was rated as having the most business-friendly economy in the world by the World Bank. Which makes a fine and fertile base for Goldbell Weigh-System Pte Ltd. Steven Lim opened Goldbell Weigh-Systems in 1993 and has been the Rice Lake distributor in Singapore for more than 10 years.

In 2005, the first truck scale system to be shipped direct from the United States to

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Ukraine

920i® controls big blast furnace

ZAPORIZHSTAL, UKRAINE — Ukraine is located in the southeastern part of Central Europe where it is bordered by Belarus and Russia to the north, and the Black Sea and Romania to the south. One of Ukraine's 24 administrative regions is the Zaporizhzhya region located in the southeast of Ukraine.

There are more than 160 large industrial enterprises in the region. And Zaporizhstal Integrated Iron & Steel Works JSC is one of the largest. Construction at Zaporizhstal, commonly called "The Works," began in 1931 and was designed to become the largest enterprise in Europe at that time, with an annual capacity of 1,224,000 tons of pig iron and 1,430,000 tons of premium quality steel.

Today, The Works produces high quality hot-rolled and cold-rolled carbon, low-alloy, alloy and stainless steel products from 0.5 to 8.0 mm thick. Main consumers of The Works' products are welded tube producers, automotive, machine-building, transport engineering industries and producers of domestic appliances.

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Ukraine continued

To improve the quality of their steel, a unique patented technology was introduced using a mixture of argon and oxygen in the open-hearth furnace shop. The quality and competitive strength of Zaporizhstal's enterprise products (alloy sheets and stainless

steel, dipped tinfoil in rolls, cold-formed profiles and metal-base laminate) are recognized and renowned worldwide.

Recently, The Works updated the batching and loading systems of blast-furnace No. 5

Director Igor Belikov of Trest SZMA recalls, "It was a pleasure working with the staff at DKL to complete this successful installation. We have high regards for DKL's capabilities and knowledge about Rice Lake's superior quality products."

The loading system has two loading sides to the blast-furnace with six bins with capacities from five to 25 tons of agglomerate, coke, pellets, limestone and other agents in each. These materials are supplied by conveyor, loaded into skips and delivered to the blast-furnace. For redundancy, two RL9000TWM load cells are used on each of the three bins. Each scale circuit is connected to separate iQUBEs.

The system must withstand incessant operation with the most stringent accuracy. The Works uses Rice Lake components: high temperature and protected RL9000TWM load cells, EL146 load cell cables, iQUBE and 920i indicators.



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Paresh Oza, Rice Lake's director of international field sales, reports that projecting, mounting and starting the system was performed by DKL Ltd. and Trest SZMA, Ukraine. All software was designed and applied by DKL Ltd.

Data is transmitted from the iQUBEs through RS-485 a distance of 500 to 700 meters to 920i indicators installed at the center of blast-furnace loading control. The dozen 920is are connected to PCs via Ethernet. The process is controlled both via computer with the graphic information output, as well as 920is.

According to Alexey Murashov, a director of DKL Ltd., it was very interesting work. "This successful project will give us an excellent reference to similar installations in other major steel plants in the Ukraine." ■

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