PlantWeb News
Emerson awarded $3.1 million contract to automate Australian nickel/cobalt mine

Emerson’s PlantWeb digital architecture selected for new BHP Billiton complex

AUSTIN, TEXAS (November 30, 2004) — Emerson Process Management announced today that it has won a $3.1 million contract for digital automation and control of minerals processing at the BHP Billiton nickel/cobalt mine and treatment facility under construction in Ravensthorpe, Australia.

The new open-pit mine and minerals processing plant is part of a $1.1 billion project that will annually produce up to 50,000 tons of nickel and 1,400 tons of cobalt.

Emerson will install its PlantWeb digital architecture with FOUNDATION fieldbus technology to deliver significantly more process and equipment information than traditional analog systems, enabling BHP Billiton to operate a safer, more reliable, and better performing mine and plant.

The DeltaV™ digital automation system with AMS™ Suite predictive maintenance software, key components of PlantWeb, are at the core of the innovative digital approach that will include more than 2,000 smart digital field devices, making it the largest FOUNDATION fieldbus installation in Australia, and the largest use for mineral processing in the world.

Emerson's PlantWeb enables manufacturers to avoid costly, unexpected process interruptions and optimize performance of production equipment by establishing a predictive maintenance environment that is anchored by digital monitoring of instrumentation and equipment condition using data from smart field devices.

"Our BHP Billiton contract signifies the growing recognition of PlantWeb as the leading driver for the adoption of fieldbus technology," said John Berra, president of Emerson Process Management. "Engineers around the world are recognizing PlantWeb with FOUNDATION fieldbus as the preferred digital automation technology for both today and tomorrow, because it offers such benefits as lower installation costs, more reliable and consistent operations, and lower maintenance costs."

About Emerson Process Management

Emerson Process Management (www.emersonprocess.com), an Emerson business, is a leader in helping businesses automate their production, processing and distribution in the chemical, oil and gas, refining, pulp & paper, power, food and beverage, pharmaceutical, and other industries. The company combines superior products
and technology with industry-specific engineering, consulting, and project management, and maintenance services to help customers achieve the potential of their operations. Emerson brands include PlantWeb®, Fisher®, Rosemount®, Micro Motion®, Daniel®, DeltaV™, Ovation®, and AMS™ Suite.

About Emerson

St. Louis-based Emerson (www.gotoemerson.com) is a global leader in bringing technology and engineering together to provide innovative solutions to customers in process control; electronics and telecommunications; industrial automation; heating, ventilating and air conditioning; and appliances and tools. Sales in fiscal 2004 were $15.6 billion.

About BHP Billiton

BHP Billiton (www.bhpbilliton.com) is the world’s largest diversified resources group, operating a mix of high-quality assets across the globe. BHP Billiton's portfolio of assets are structured into seven customer-oriented groupings and include Petroleum, Aluminium, Base Metals, Carbon Steel Materials, Diamonds and Specialty Products, Energy Coal and Stainless Steel Materials.

PlantWeb, Fisher, Micro Motion, Rosemount, Daniel, DeltaV, and AMS are marks of one of the Emerson Process Management companies.

• Emerson supplies PlantWeb digital automation architecture and system integration services for Brunei Shell Petroleum platform

• Emerson wins Bergesen Worldwide contract to digitally automate one of the world’s largest ships for production, storage and offloading of oil

• Port Westward to be Among the First Combined Cycle Power Plants to Showcase Digital Bus Technologies

• Emerson's Machinery Health technologies enable UK COAL to avoid equipment failures and prevent lost production

• Emerson announces ATEX approval for Fisher DVC2000 digital valve controller

• Emerson's Micro Motion SIS Coriolis flow meters are the world’s first to be safety-certified to IEC 61508 standards

• Emerson awarded $30 million contract to supply control valves for Qatar liquefied natural gas plant

• Emerson's 375 Field Communicator is first handheld to pass Fieldbus Foundation's Host Interoperability Test

• Emerson products and services dominate CONTROL Magazine Readers’ Choice Awards for 13th year

• Emerson chosen to digitally automate Mexico’s first liquefied natural gas (LNG) regasification terminal

• Emerson announces the first MultiVariable FOUNDATION fieldbus transmitter with fully compensated mass flow

• Emerson expands PlantWeb installation with digital automation project for Alexandria Carbon Black Company in Egypt

• Emerson's PlantWeb uses new OSIsoft technology to enable continued broad use of the PI System with DeltaV systems

• Emerson to digitally automate Peru’s largest copper mining company

• Emerson adds laser shaft alignment capability to its Machinery Health Analyzer

• Suncor Energy selects Emerson for automation solutions for North American refineries and oil sands facilities

• Emerson Wins Contract for Digital