BUSINESS NEWS:  
NEW OFFICE IN INDONESIA

The new Outotec office in Jakarta, Indonesia was opened on 2 May 2013 and inaugurated by Mr Pertti Korhonen, CEO and President of Outotec, in the presence of customers, ministries and industry associations.

Indonesia has some of the world’s largest resources of gold, nickel and tin as well as significant resources of bauxite, copper and silver and also has a large potential in renewable energy. Indonesia has steadily developed into one of Asia’s major economies. Outotec is committed to helping Indonesia develop its world class resource industry in a sustainable way as it expands into downstream processing. The new office in Jakarta will focus on driving sales in the growing Indonesian market, supporting project implementation and providing services to Outotec’s customers.

Speaking during the event, Pertti Korhonen said, "Indonesia is South East Asia’s largest economy with a strong long term growth outlook. Through our industry leading technologies we want to make a strong contribution to sustainable development of Indonesia’s mining and metallurgical industry. The Indonesian market offers attractive growth opportunities for Outotec. With the opening of our Jakarta office, we will take our capability to deliver sustainable technology solutions and services to our Indonesian customers to a whole new level.”

For more information please contact
PT Outotec Technology Solutions, Gandaria 8, Level 22B, Jl Sultan Iskandar Muda, Kebayoran lama, Jakarta 12240, Indonesia
 Irma.kurniawati@outotec.com  |  +62 21 2930 3901

Pertti Korhonen, Outotec CEO and President, cuts the inaugural ribbon, followed by traditional celebration with Ir. Syawaluddin Lubis, MT, (Director of Chief Mines Inspector, Ministry of Energy and Mineral Resources)

Stuart Sneyd, Head of Market Area in South East Asia Pacific, addressing key customers, ministries and industry associations in the new Jakarta office
Outotec has extended its scope in comminution solutions and now offers an even larger portfolio including high pressure grinding rolls (HPGR). HPGR technology can be applied to various minerals processing applications where project feasibility demands lower energy consumption. Outotec HPGR solutions provide critical process, maintenance and training support. With this technology, customers benefit from a proven product, advanced automation solutions, optimized process design and a rapid ramp-up period. HPGR technology can decrease energy consumption and influence the downstream processes, which can be seen in improved performance in the flotation, leaching, thickening and filtration circuits. This can be attributed to micro-cracks generated when the ore particles are exposed to high stresses in the HPGR compression zone between the counter rotating rolls.

Outotec HPGR solutions have also designed an efficient HPGR studded tyre for improved performance and reliability, which can be easily retrofitted to any machine, regardless of manufacturer or model. A wide range of Operate and Maintain and training services, as well as OEM spare parts for HPGR and the entire comminution circuit are also available.

**Applications:**
- Alternative to SAG mills
- Base metals, gold, kimberlite and iron ores
- Processing moist ores (up to 15%)
- Open or closed circuit with or without wet screen
- Feed topsize <80mm depending on roller diameter
- Feed material - excellent bulk density (i.e. cone crusher product) and adequate feed bin mixing (homogeneous)
- Typical reduction ratio F80/P80 = 3 to ~4

**Features and benefits of Outotec HPGR technology:**
- High energy savings
- Performance guarantees
- High machine availability
- Project development and design for efficient operation
- Know-how and track record
- Process and project simulation
- Comprehensive service support
- Lifecycle solutions

For more information please contact
barry.taylor@outotec.com
+61 (0)8 9211 2278

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**Outotec® HPGR Tyres**

High Pressure Grinding Rolls (HPGR) can be successfully utilized in a variety of minerals processing circuits. Thanks to the unique design of the HPGR studded tyres, the technology is adaptable to a wide range of applications.

To download the brochure please click here

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**Outotec® HPGR Comminution solutions**

Outotec offers a large portfolio of comminution solutions, including high pressure grinding rolls (HPGR), for meeting various demands with lower energy consumption. Increasing prices have highlighted the importance of energy-efficient solutions. The mining industry alone consumes approximately 4% of the world's energy and half of this is resultant from crushing and grinding operations. By choosing Outotec’s HPGR solutions, customers benefit from proven technology, advanced automation solutions, optimized ramp up and optimal process outcomes.

To download the brochure please click here
PRODUCT NEWS: OUTOTEC-LAROX®

**FFP 3512**

After successfully introducing the Outotec-Larox® FFP 2512 pressure filter series for bulk mining applications, Outotec has again responded to the increasing demand for even higher capacity production requirements. As such, the proven FFP 2512 series has been upscaled to the new **FFP 3512** which, among other new features, provides an increased filtration area of 992m².

Outotec-Larox filter presses are widely used in mining and metallurgical operations where the trend towards finer grinding in concentrators and stricter requirements in tailings disposal demand increased filtration. Both the 2512 and 3512 series share the same footprint, allowing simpler expansion requirements for increased through-put in an easier way. Based on Outotec’s proven track record, the next generation of filter plate design provides a further step towards high capacity operation by improving maintainability, production reliability and logistics.

The innovative design of the membrane filter plate is the key to larger capacities and even more efficient process results. The FFP is ideal for dry stacking of tailings, enabling energy and water savings through water recycling.

For more information please contact

✉️ allan.wilson@outotec.com | ✆️ +61 2 9984 2102

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**PRODUCT NEWS: MILL RELINE SERVICES**

Outotec offers complete reline services for grinding mills. The mill reline team specializes in mill liner changes, new installations and decommissioning at end-of-life equipment and has an international reputation for its safe, process-oriented and cost effective approach to relining grinding mills. Additionally, Outotec liner handlers are purpose-built to meet site specific needs. These machines reduce reline incurred downtime, as well as the potential for injury at site.

Apart from providing relines through all lifecycle stages, Outotec reline services also cover liner condition monitoring. Outotec MillMapper, for example, is a globally patented technology and the first in the world to measure, model and manage liners in grinding mills. The intelligent software and 3D laser scan technology accurately forecasts reline timing based on wear trend analysis. MillMapper helps minimize the risk of catastrophic failure by scanning and modelling liner breakage or localized accelerated wear.

For more information please contact

✉️ laurie.ralph@outotec.com | ✆️ +61 8 9921 3166
✉️ peter.clarke@outotec.com | ✆️ +61 8 9211 2531