

Aury Africa Deploys Xerafy Roswell Tags for Asset Management

The mining equipment supplier has introduced Industrial IoT-driven safety and compliance in the mining industry

SINGAPORE, SINGAPORE, November 14, 2018 /EINPresswire.com/ -- [Xerafy](#), the global leader and innovator of Gen2 passive UHF RFID metal tags, is pleased to announce that Aury Africa, a leading manufacturer and supplier of high-performance minerals-processing equipment, is using Xerafy's Roswell [UHF RFID tags](#) to improve its asset tracking, maintenance and inspection operations.

Aury Africa's clients include major mining companies such as Anglo American, Exxaro, Vale, and Canyon Coal. With 100 employees across South Africa, Johannesburg-based Aury Africa looks after numerous sites at any given time.



Aury Africa's Centrifuge Equipment (Source: Aury Africa)

Accounting for equipment and safety inspections can be a problem when data is recorded manually. During regulatory inspections, for instance, there is a need to track the maintenance process, ensuring that the work carried out conforms to both the technical and safety requirements that are necessary to complete the work to a sufficiently high standard.

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Sydney Parkhouse

In addition, the remote mining operation environments where the equipment is used create additional challenges when it comes to managing sophisticated assets such as high-frequency screens, feeders and centrifuges, etc.

In 2017, Aury Africa decided to turn this challenge into an opportunity: How could it identify equipment operating at mining sites, and improve flow-process inspection and maintenance? How could it deliver operational excellence to clients?

“In the mining and minerals-processing sector, RFID technology is ideal for inspecting plant equipment, mining machines, pumps, valves, and pipes,” said Aury Africa Director Sydney Parkhouse.

The company enlisted the help of [TAMS](#) (ThembeKile Asset Management Solutions), a specialist in integrating RFID technology with software for the mining, oil and gas, manufacturing, and

healthcare sectors, in initiating a project to develop RFID technology specific to the requirements of the mining industry.

“TAMS is assisting Aury Africa to achieve its IoT vision of digitizing its operational processes. Our capability of integrating RFID technology into applicable solutions complements Aury Africa’s desire to revolutionize existing operations,” said Dean Parkhouse, Business Development Director of TAMS.

In the search for which RFID technology to utilise, factors such as the high operating temperatures and pressures had to be considered. Ultimately, Xerafy’s Roswell UHF RFID tags were selected due to its IoT knowledge and capability to produce RFID tags that can withstand harsh conditions.

“Tag selection is imperative,” Parkhouse said. “Considering the environment and working conditions the tag would have to endure, the mounting options available to us, and the surfaces we would need to work with, the Xerafy Roswell ticked all the boxes.”

Xerafy’s Roswell offers a variety of attachment options suited to mining equipment, enabling real-time tracking and asset-management applications.

The new solution has improved planned inspection reporting, made data access more consistent, and improved the accuracy of the data being collected. Workflow inspections are more transparent, and real-time reporting is now possible with the widespread implementation of RFID technology.

With TAMS and Xerafy, Aury Africa is able to take its next step in its IoT vision: Using the solution as a self-learning system for its employees. Given that Aury Africa prioritizes operational excellence, the incorporation of Xerafy’s Roswell has assisted Aury Africa in restructuring its work-flow inspections and establish proper asset-management systems to guide asset tracking and identification.

About Aury Africa

Aury Africa’s goal is to provide the best innovative screening and vibrating equipment solutions and services to the African mining market. Aury Africa takes advantage of the economies of scale provided by large-scale Chinese production from its ISO-9001 accredited sister company, Aury (Tianjin), with the aid and assistance of technical know-how developed in Australia and South Africa. Aury also has a sound research and design capability, backed up by the technical expertise of a number of engineers who boast extensive experience in vibration technology within the mining sector. Aury design engineers think outside the box to provide traditional vibrating technology with leading-edge thinking and design techniques to produce innovative capital equipment that is superior to anything on the market today.

About TAMS

ThembeKile Asset Management Solutions (TAMS) is a RFID system integrator, providing customised Enterprise Mobility solutions utilising the latest RFID and RTLS Technologies to enhance the delivery of business intelligence. TAMS has combined the latest technologies in RFID and RTLS with cutting edge software to enable hospitals and care facilities to remotely collect data and generate real-time reporting via fixed and mobile devices.

About Xerafy Ltd.:

Xerafy enables real-time traceability and asset management in Healthcare, Oil & Gas and Manufacturing. We lead in RFID innovations for demanding environments and redefine the market expectations for durable and reliable performance. Xerafy is headquartered in Singapore

with offices in the U.S., U.K. and China.

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