



Press Release

South African antenna technology used in major European tunnel project, June 2017

The Gotthard Base Tunnel, the world's longest and deepest train tunnel through the Swiss Alps, makes exclusive use of South African antenna technology from Poynting Antennas to ensure a seamless digital communication service underground over a route length of more than 57km.

The R130 billion-project was completed recently and consists of two single-track tunnels connecting Switzerland with Italy, as part of the so-called New Railway Link through the Alps.

"We are very proud of the fact that a South African company was chosen as the preferred antenna supplier for this colossal project," says the CEO of Poynting South Africa, Michael Howard.

"For the pan-European project team to choose our antenna, the XPOL 2 v2, as part of their highly sophisticated communications network in the tunnel is significant, as it highlights the competitiveness of our technology." According to Howard the XPOL 2 v2 antenna is 4G /LTE and 2G/3G compatible and is also capable of operating over a wide frequency range that caters for the requirements of the many network operators in different countries... "Many competitors have either-or scenarios, but not a versatile antenna that is as robust as ours."

Poynting Antennas has years of experience with the supply of antennas for communications and data transfer. They are developed specifically for tunnels and mining operations. These antennas operate in hazardous mining environments and tunnels where performance and safety are necessary.

With up to 250 trains (200 freight trains, 50 passenger trains) per day passing through the tunnel at speeds of up to 200km/h engineers and tunnel operators must be able to rely on a seamless and uninterrupted communications service to manage the traffic.

South Africa

Unit 4, N1 Industrial Park
Landmarks Ave, Samrand,
PO Box 76579,
Wendywood, 2144

Media Contact:

Poynting Group
Corinna Howard
Email: info@outlookafrica.co.za
Tel: +27 12 8092784
Mobile: +27 83 2287182

Europe

Regus Business Center
Neue Messe Riem
Kronstadter Straße 4,
81677 München, Germany

Media Contact:

Poynting Europe GmbH
Tjeerd Huitema
Email: sales-europe@poynting.tech
Tel: +49 89 208026538
Mobile: +49 176 529 733 50



Poynting Group

“Our XPOL 2 v2 was specifically developed with this in mind,” says Howard. “The radome is made of the same vandal and water resistant material used in our other antennas. It has been extensively field-tested in extreme temperatures under harsh conditions. He added Poynting was confident the high performance LTE antenna will operate flawlessly in temperatures as low as -40 degrees Celsius, making it perfect for the extreme weather experienced during the winter months in Switzerland.

The antenna is ideal for a wide range of applications, including areas with poor data signal reception, for capacity enhancement in urban and rural areas..

“Being a wideband antenna, the XPOL 2 v2 increases network operator flexibility, as it works on most networks meaning a new antenna is not needed per network operator,” says Howard, adding that this also improves system transmission reliability.

Having proven its capabilities, the XPOL 2 v2 must be high on any network operator’s communication system configuration list, says Howard. “We are confident it will out perform expectations in any type of environment.”

Issued on behalf of [Poynting Group by Outlook Africa](#).

Poynting Group:

Poynting innovates, designs and manufactures integrated antennas solutions primarily for wireless high speed data applications such as 4G LTE residential as well as B2B, antenna solutions for GSM, M2M, DTV (digital TV) and other CPE applications within the telecommunication, broadcast and consumer market. Based in Samrand South Africa, Poynting is the proud holder of more than 50 patents widely used in its unique antenna solutions for enhanced wireless communications for LTE, 3G, Wi-Fi, RF and other applications.

Poynting was founded on the deep knowledge and understanding of the principles of electromagnetics, RF propagation, antenna design and development. Poynting employees include graduate as well as professionally registered engineers with doctorate level expert knowledge of the technology and the industry.

Poynting has legacy of innovative design and delivery with customers and partners worldwide.

The approach has resulted in extensive Intellectual Property (IP) with over 50 patents and registered trademarks.

www.poynting.tech

South Africa

Unit 4, N1 Industrial Park
Landmarks Ave, Samrand,
PO Box 76579,
Wendywood, 2144

Media Contact:

Poynting Group
Corinna Howard
Email: info@outlookafrica.co.za
Tel: +27 12 8092784
Mobile: +27 83 2287182

Europe

Regus Business Center
Neue Messe Riem
Kronstadter Straße 4,
81677 München, Germany

Media Contact:

Poynting Europe GmbH
Tjeerd Huitema
Email: sales-europe@poynting.tech
Tel: +49 89 208026538
Mobile: +49 176 529 733 50