



## The Sochi Project

**O**n March 11, 2009 a super-cargo aircraft AN-124 “Ruslan” delivered 94 tons of equipment to the international airport of Sochi in the south of Russia. The cargo consisted of a 5.9 meter diameter LOVAT RME232SE tunnel boring machine manufactured by LOVAT, owned and operated by the largest Russian tunneling contractor OAO “Bamtonnelstroy” located in the city of Krasnoyarsk.

This remarkable delivery started a comprehensive program involving several tunnel boring machines, which will be used to build a number of tunnels from Adler, a town on the sea coast near Sochi in Russia, to the sites of the 2014 Winter Olympic Games located higher in the mountains. These tunnels are a significant part of infrastructure being built on the order of the Russian Federal Railways (RZD). These tunnels will grant visitors and participants access to the Olympic Games.

A total of five LOVAT TBMs will be mining three service tunnels and two railway tunnels, a combined total length of 16.4 km for this notable project:

- The LOVAT RME232SE (5.9m) currently in Sochi will start mining in summer of 2009 after it is equipped with a new LOVAT Rock Cuttinghead.

**Tunnel length – 2,400 meters**

- The LOVAT RMP167SE (4.3m) was manufactured for OAO “Bamtonnelstroy” in 2008 and is planned to be delivered to Sochi from Krasnoyarsk shortly.

**Tunnel length – 2,800 meters**

- The 6.2 meter Double Shield TBM will arrive in Novorossiysk in early June after refurbishment is completed.

**Tunnel length – 4,200 meters**

All three TBMs are anticipated to start mining in July 2009.

- The 10 meter Double Shield will join the above three machines late summer 2009 as well.

**Tunnel length – 4,200 meters**

- A new LOVAT RMP419SE (10.6m) is currently being manufactured in LOVAT’s Toronto, Canada facilities and is scheduled to be completed in January 2010. Excavation is anticipated to commence in June 2010.

**Tunnel length – 2,800 meters**

LOVAT will provide ongoing technical assistance and spare parts support to all TBMs for the duration of the project.

