

# TriStar Provides Update on Advances at Castelo de Sonhos

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SCOTTSDALE, Ariz., April 17, 2018 (GLOBE NEWSWIRE) -- TriStar Gold Inc. (the "Company" or "TriStar") (TSX.V:TSG) is pleased to provide an update on several new initiatives underway or recently completed at the 100% owned Castelo de Sonhos gold project located in Pará State, Brazil.

Esperança East, a priority drilling target for 2018, and the likely bridge between gold mineralization in Esperança South and Esperança Center.

New metered electrical service and transmission lines to the Castelo de Sonhos project site, installed, tested and operational in April 2018.

Fortress Technology's Phantom Lumber Metal Detector, a large-scale metal detection solution built rugged for the lumber industry, similar to a possible future application at Castelo de Sonhos.

## Highlights

- Field mapping and surface reconnaissance in Esperança East has confirmed gold in panned concentrates from outcrops, leading to the prioritization of new drilling targets in areas where resource have not previously been estimated.
- The project site is now connected to the national electrical grid.
- Advanced state-of-the-art metal detection is being tested for rapidly screening samples for gold content; if successful, this technology could allow more rapid identification of drill targets this year, and, in the future, considerably improve grade control and material sorting.

Nick Appleyard, TriStar's President and CEO. "This is the year when much of the project's upside is going to come to the forefront: the resource, our proximity to good infrastructure, our strong understanding of the geology, and the deposit's predominantly free gold and sulphide-free, clean and simple metallurgical characteristics."

## Field mapping and surface reconnaissance in Esperança East

To prioritize drilling targets at Esperança East, TriStar has completed a field mapping and surface reconnaissance program and conducted a series of tests of rapid manual gravity concentration ("panning") to establish the linkage between assay gold grades and gold in pan concentrates.

- Field mapping has produced a better understanding of the details of bedding orientations and supplied dozens of new measurements of local directions of continuity.
- Pan concentrates are valuable in identifying mineralization in outcrops, and for rapidly determining whether to extend drilling in reverse circulation holes (holes are deepened beyond the initial target depth when gold can be identified in pan concentrates from the last few sample intervals).

Esperança East lies on the fault block that separates Esperança South from Esperança Center. Soil

sampling, geophysics and structural geology all point to the likelihood that the conglomerate band in Esperança East is the &ldquo;bridge&rdquo; of gold mineralization that connects the strong mineralization at the north end of Esperança South to the mineralization at the south end of Esperança Center (see Figure 1).

#### Connection to the national electrical grid

The Castelo de Sonhos project is very close to the major highway that also serves as a corridor for electrical power. TriStar, in cooperation with local farmers, has participated in the Brazilian federal government&rsquo;s rural electrification program. This month, the Castelo de Sonhos project site was connected to the national grid, and no longer needs to rely on diesel generators.

#### Advanced high-precision metal detection technology

- TriStar is undertaking a proof-of-concept study that aims to establish whether high precision metal detectors are able to screen waste rock from rock with gold mineralization.

In February 2018, TriStar met with Fortress Technology, a Canadian company with production facilities in Brazil, that specializes in high precision metal detection for the food products industry. With Fortress&rsquo; detectors able to measure metallic constituents at the parts-per-billion level, their industrial detectors clearly have the precision to detect gold at the parts-per-million levels often encountered in modern gold deposits.

In March, TriStar delivered to Fortress&rsquo; offices in São Paulo, Brazil, a suite of rock samples and calibration samples that will serve as the basis for a proof-of-concept study that aims to establish whether high precision metal detectors are able to screen waste rock from rock with gold mineralization.

Metal detection is possible in this type of paleoplacer deposit, and not so much in other gold deposits as the vast majority of the rock is non-metallic quartz; there are no sulfides like pyrite that would mask and complicate the exceptional electrical properties of gold.

TriStar is optimistic that this, or similar, technology might be an innovation that allows more rapid identification of drill targets this year, and, in the future, better grade control and efficient material sorting.

#### *Qualified Person*

Mo Srivastava (P.Geo.) VP of TriStar is the Qualified Person for the technical information presented in this press release and has approved its publication.

#### About TriStar:

TriStar Gold is an exploration and development company focused on precious metals properties in the Americas that have potential to become significant producing mines. The Company&rsquo;s current flagship property is Castelo de Sonhos in Pará State, Brazil. The Company&rsquo;s shares are listed on the TSX Venture Exchange under the symbol TSG. Further information is available at [www.tristargold.com](http://www.tristargold.com).

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