

26 October 2018

QUARTERLY ACTIVITIES REPORT FOR THE PERIOD ENDED 30 SEPTEMBER 2018

HIGHLIGHTS

- **15,000m combined RC and DD Resource Definition drilling commenced at Abujar Gold Project, Côte d'Ivoire**
- **First results from campaign intercepted high-grade gold beneath the existing resource at Gludehi including:**
 - o **18m @ 4.90 g/t Au from 268m including 12m @ 6.92 g/t Au from 268m including 6m @ 11.63 g/t Au from 274m (2m @ 7.40 g/t Au, 2m @ 22.31 g/t Au, 2m @ 5.17 g/t Au);**
 - o **10m @ 1.86 g/t Au from 322m including 4m @ 3.08 g/t Au from 326m; and**
 - o **8m @ 3.88 g/t Au from 284m including 6m @ 4.95 g/t Au (2m @ 5.10 g/t Au, 2m @ 6.89 g/t Au, 2m @ 2.85 g/t Au).**
- **Soil sampling program at Abujar North confirms gold-in-soil anomalism over 65km corridor**
 - o **Tietto to completed further geochem, IP survey and aeromagnetism survey to define drilling targets**
- **Early data from 12-month IP survey identifies several anomalous zones running parallel to the Gludehi gold deposit**
 - o **Tietto has defined drill targets for immediate follow-up, Ausdrill will commence drilling these in December quarter**
 - o **Tietto to complete soil geochemical study on other IP anomalous areas as IP survey continues**

Corporate

- **IP survey services agreement signed with Hong Kong Ausino Investment**

West African gold developer and explorer Tietto Minerals Limited (ASX: TIE) (**Tietto** or the **Company**) is pleased to report on its activities for the September 2018 quarter.

Abujar Gold Project, Côte d'Ivoire

Resource definition drilling

Tietto commenced a 15,000m combined reverse circulation (RC) and diamond (DD) resource definition drilling program at the Abujar Project in Côte d'Ivoire in late August. Drilling is

designed to substantially grow the existing 10.4Mt @ 2.1 g/t Au for 703,600oz gold Inferred JORC 2012 Mineral Resource inventory at Abujar through:

- Extending the existing Inferred JORC 2012 Mineral Resource at the Gludehi deposit to a depth of 300m vertical (currently 180m vertical);
- Extending the existing Inferred JORC 2012 Mineral Resource at Pischon along strike and at depth; and
- Defining a Maiden JORC Mineral Resource at Golikro and testing the southern extension.

Tietto is working towards completion of an updated Mineral Resource statement for the project by the end of 2018.

Tietto's own diamond rig commenced double shift operations at Pischon while Ausdrill commenced drilling at Gludehi. Tietto also mobilised an aircore rig from Mali to commence drilling the 2.5km strike length between Pischon and the Golikro prospect.

Tietto reported assay results from the first holes of the program in early October 2018. Two RC holes intercepted high-grade gold mineralisation at depths of more than 100m below the limit of the current JORC resource model, including:

- ZRC164A (drilled at Line 19): 18m @ 4.90 g/t Au from 268m including 12m @ 6.92 g/t Au from 268m including
 - o 6m @ 11.63 g/t Au from 274m (2m @ 7.40 g/t Au, 2m @ 22.31 g/t Au, 2m @ 5.17 g/t Au); and
 - o 10m @ 1.86 g/t Au from 322m including 4m @ 3.08 g/t Au from 326m
- ZRC165 (drilled at Line 18): 8m @ 3.88 g/t Au from 284m including 6m @ 4.95 g/t Au (2m @ 5.10 g/t Au, 2m @ 6.89 g/t Au, 2m @ 2.85 g/t Au).

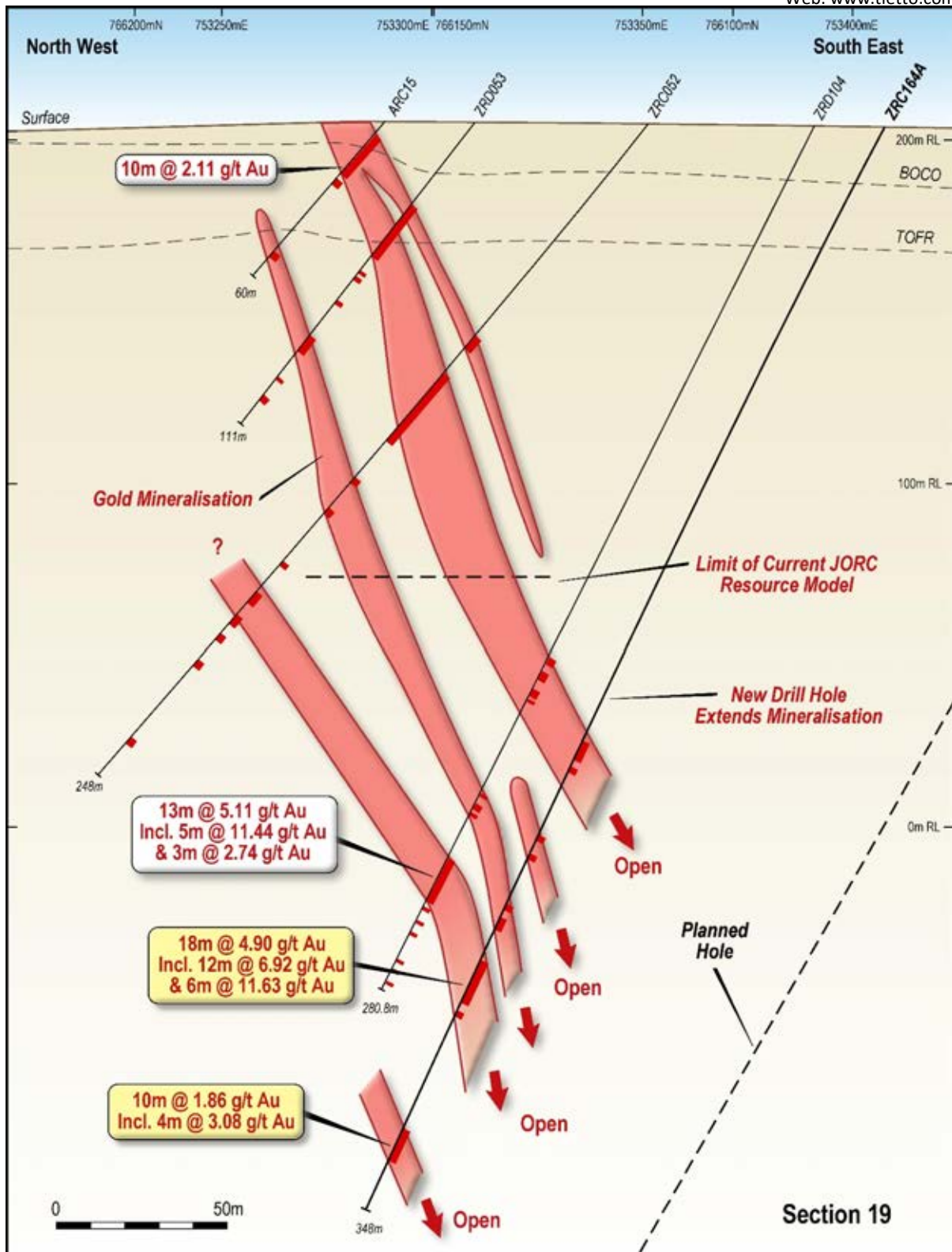


Figure 1 Section view of Line 19

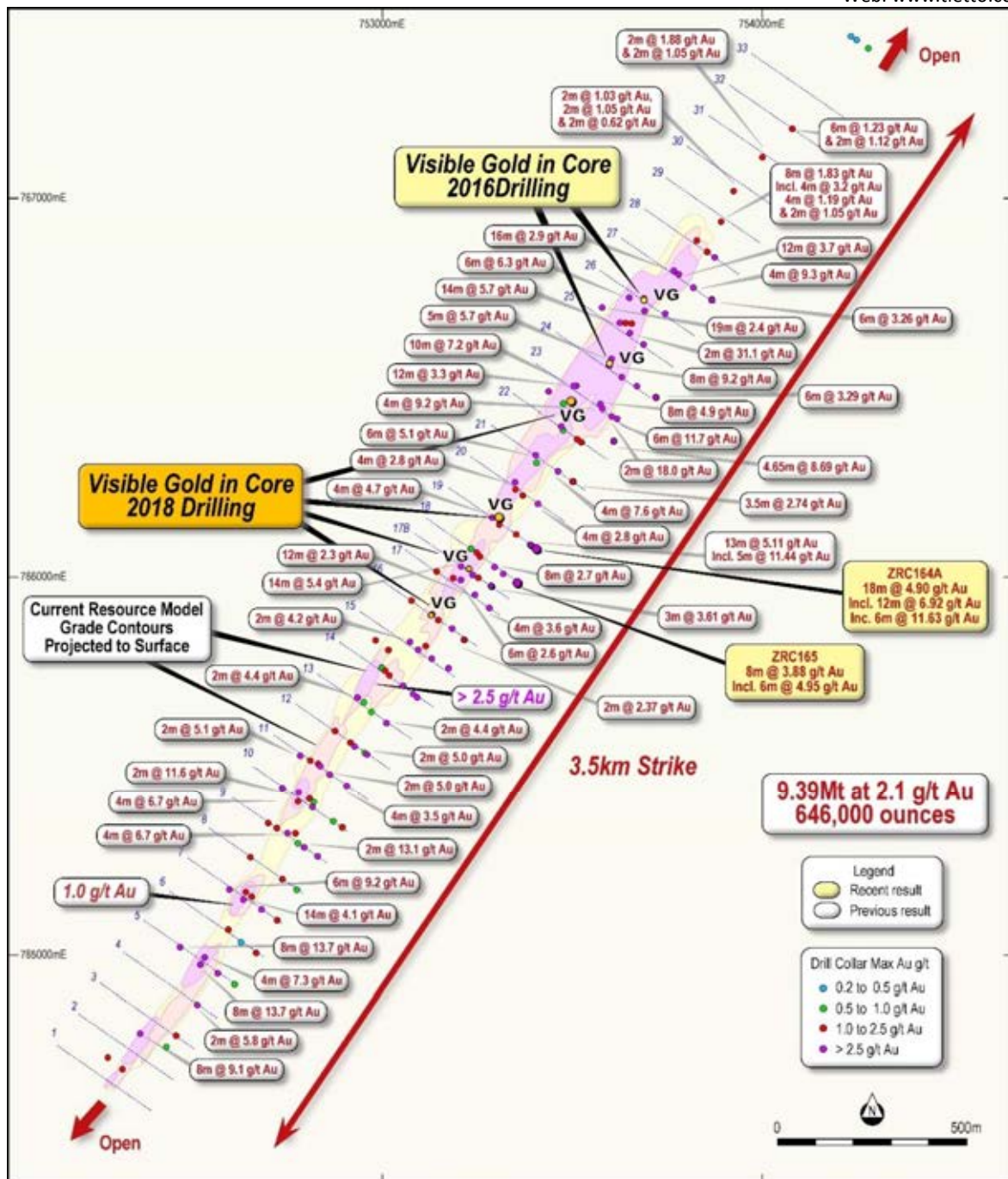


Figure 2 Plan view showing latest drilling at Abujar-Gludhehi

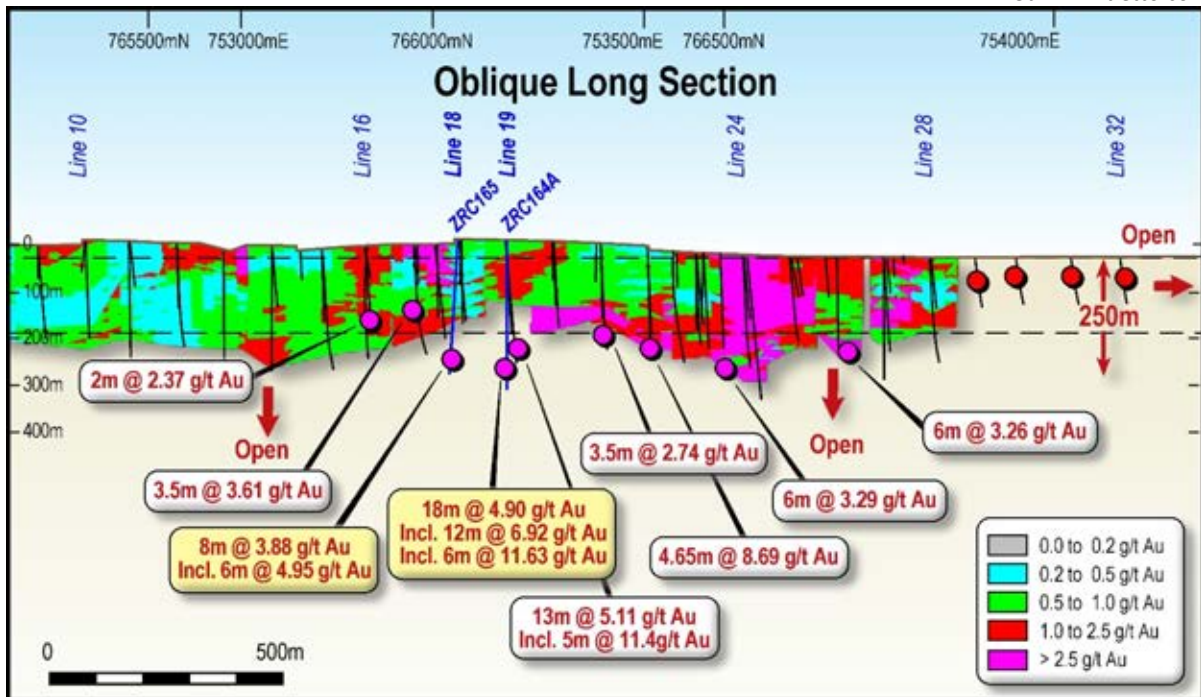


Figure 3 Oblique Long Section view showing drilling at Abujar-Gludehi

Assay results from the first five DD holes at Abujar-Pischon South returned mineable grades and widths for every hole, with the better intercepts of:

- 10m @ 1.23 g/t Au from 28m including 4m @ 2.29 g/t Au from 34m including 1m @ 7.28 g/t Au from 35m;
- 7.4m @ 1.77 g/t Au from 284m including 1.39m @ 2.45 g/t Au from 113.11m; and
- 4m @ 3.7 g/t Au from 129m including 0.7m @ 15.96 g/t Au from 131.3m.

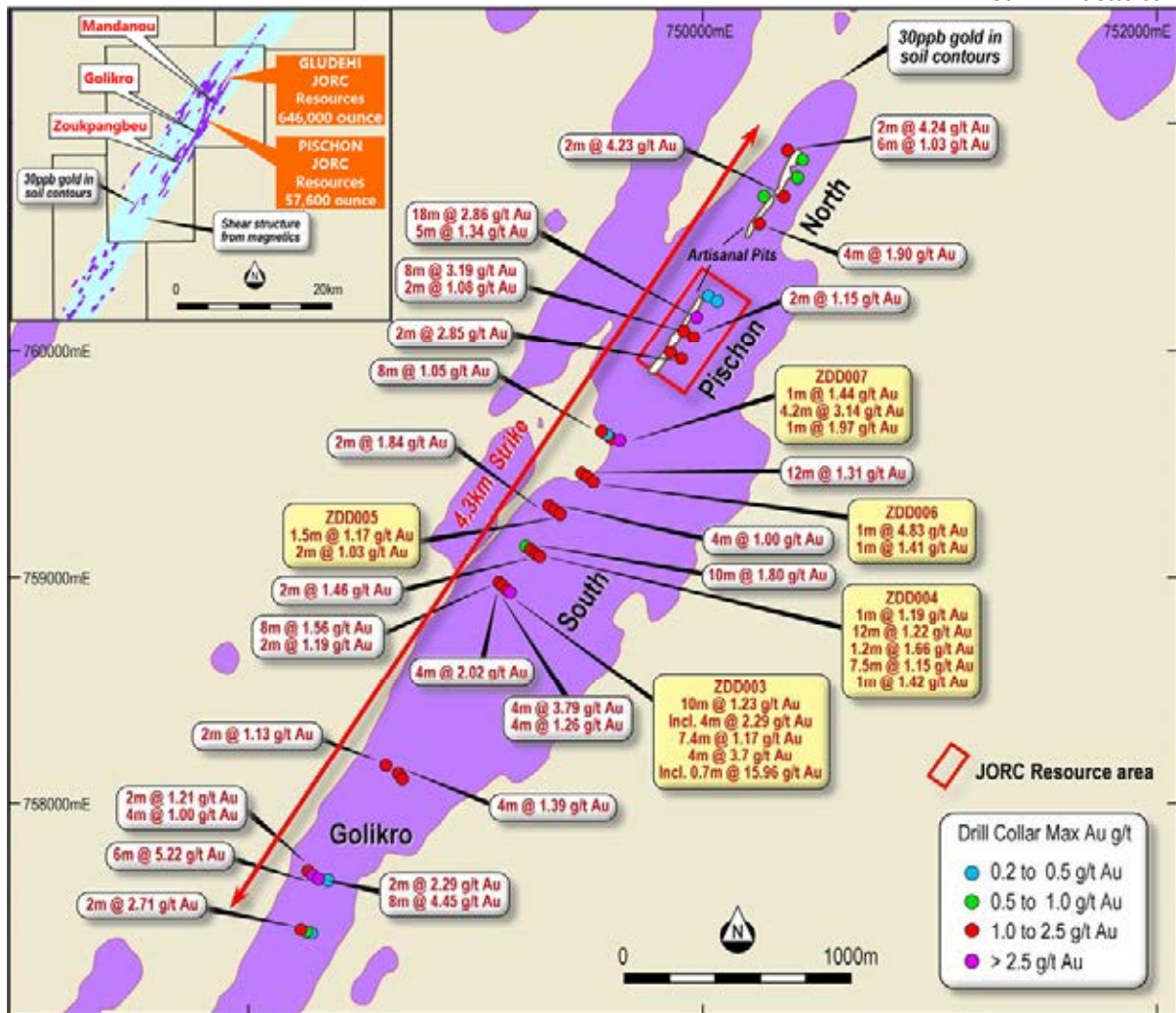


Figure 4 Plan view of the 5 DD holes at Abujar-Pischon South prospect

Soil sampling program

Results from Tietto's soil sampling program at the Abujar North tenement confirmed gold-in-soil anomalism over a 65km corridor over the Abujar project. Abujar North is one of the three tenements that comprise Tietto's 1,114km² Abujar landholding.

Tietto collected soil samples at 400m by 50m spacing over a 4km wide structural corridor within the Abujar North tenement in May-June 2018. Assay results revealed the gold mineralisation corridor previously defined by four drilling campaigns at the Abujar Middle tenement extends 25km from the southern boundary of the tenement towards the northern boundary of the tenement. Tietto identified several NNE-orientated sub-gold mineralisation trends within the general gold mineralisation corridor.

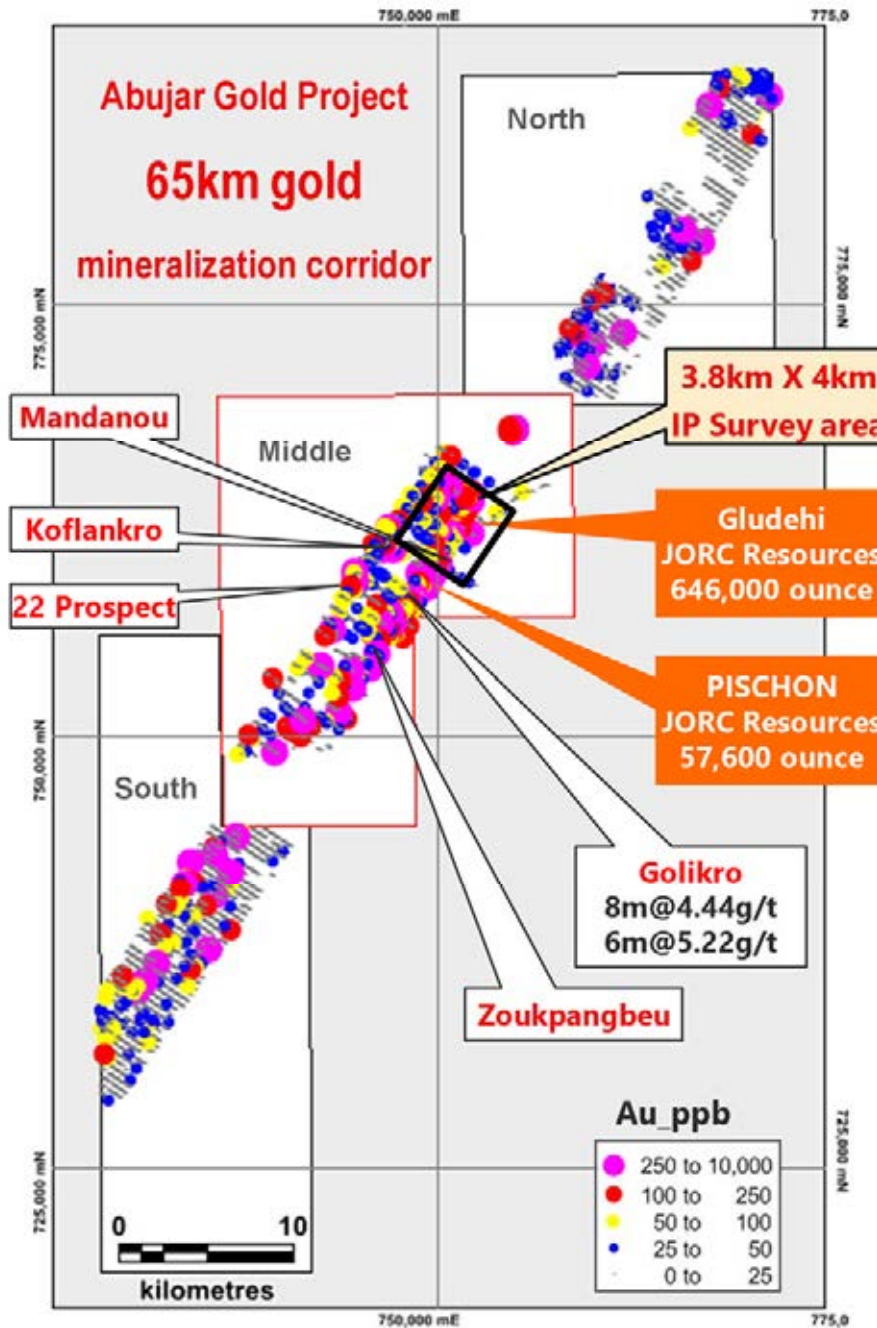


Figure 5: 65km gold mineralisation corridor defined by gold-in-soil geochemical study

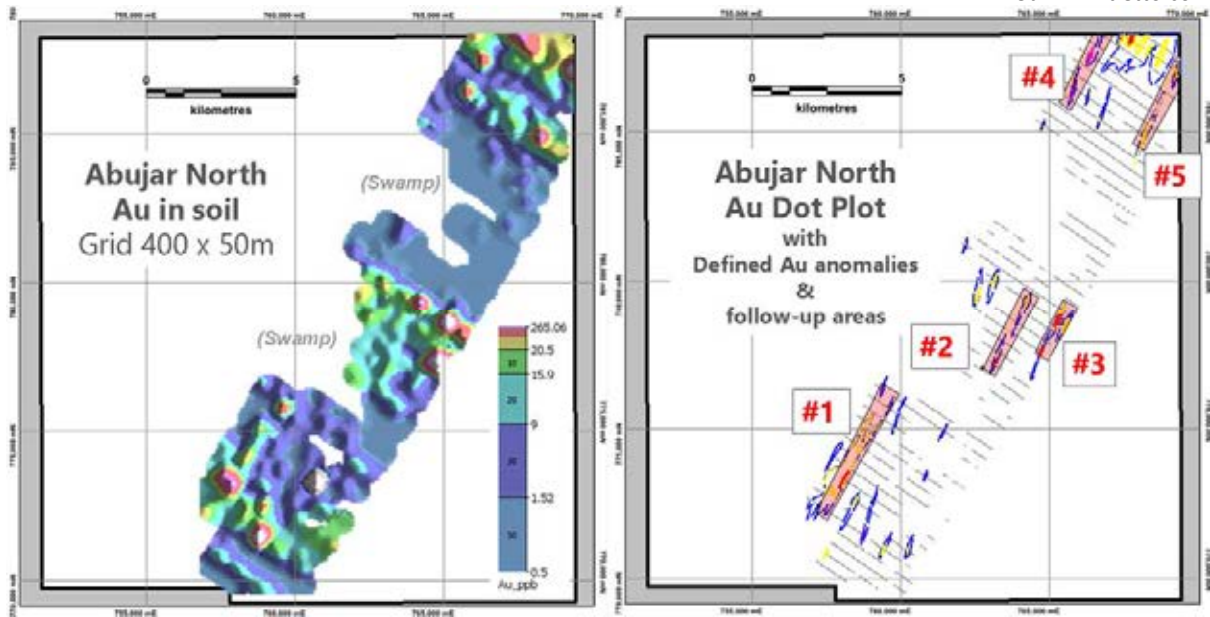


Figure 6: Gold mineralisation trends revealed by soil geochem

Tietto plans to complete further geochem work, IP survey and aeromagnetics survey in the coming dry season to define drilling targets.

At Abujar South, Tietto completed infill soil geochem programs in Q2 2018 to follow up on a 15km gold corridor previously identified. Regional gold anomalous data defined a possible dominant NNE-SSW structural grain of the Birimian trend that is in line with the defined gold mineralisation corridor in the Abujar Middle tenement. The Company plans further infill soil geochem work and auger drilling in Q4 2018.

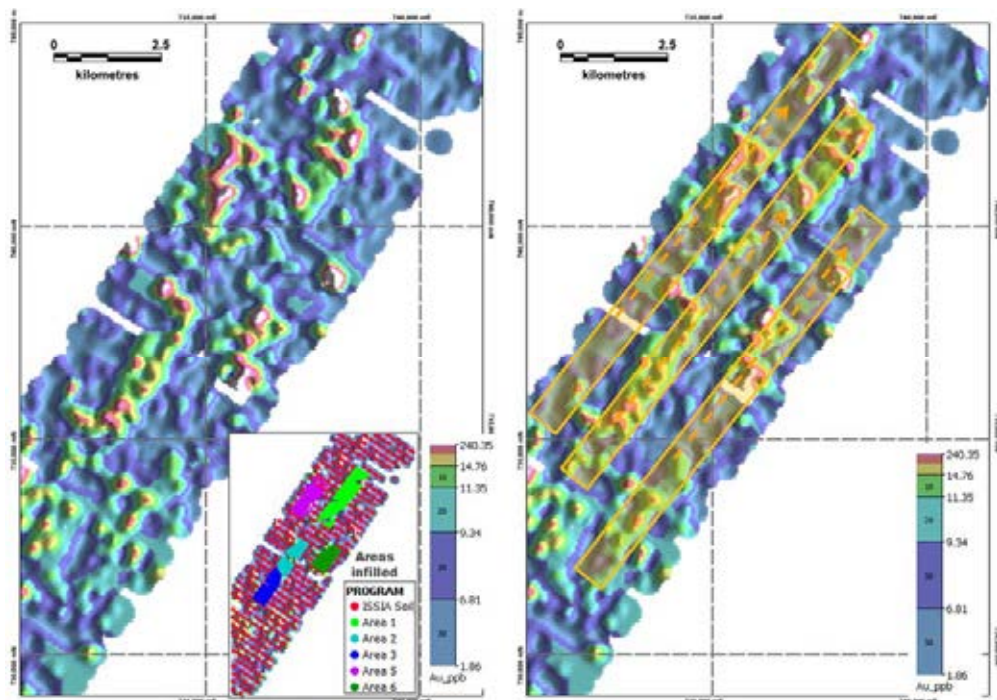


Figure 7: Sub-gold mineralisation trends identified in the Abujar South tenement

Tietto has previously completed four drilling campaigns at the Abujar Middle tenement, prior to the resource definition campaign underway. These have demonstrated continuous gold mineralisation along the strike of the gold-in-soil anomalous corridor, including the Inferred Mineral Resource of 703,600oz gold at the Gludehi Deposit and Pischon deposit.

IP Survey

Interpretation of data from the first two months of a 12-month induced polarisation (IP) survey program at Abujar identified several anomalous zones running parallel to east of the well-defined Gludehi gold deposit.

Only a small area of geophysical anomalies was verified through soil geochemical testing. Initial results from the first program to test one of the parallel structures confirmed the gold-bearing potential of the anomaly with strong gold-in-soil anomalism over a 1.4km strike length. Soil sampling programs continued through the quarter as the majority of the geophysical targets are yet to be geochemically tested.

At Gludehi, Tietto has defined drill targets for immediate follow-up that have coincident IP and gold-in-soil anomalism. Ausdrill will complete the drilling using its aircore rig, and this is expected to commence in middle of Q4.

Tietto plans to undertake detailed soil geochemical study on the majority of remaining IP anomalous areas. This work is expected to be complete in Q4 2018 and Tietto will analyse results from this to determine if further drilling is needed.

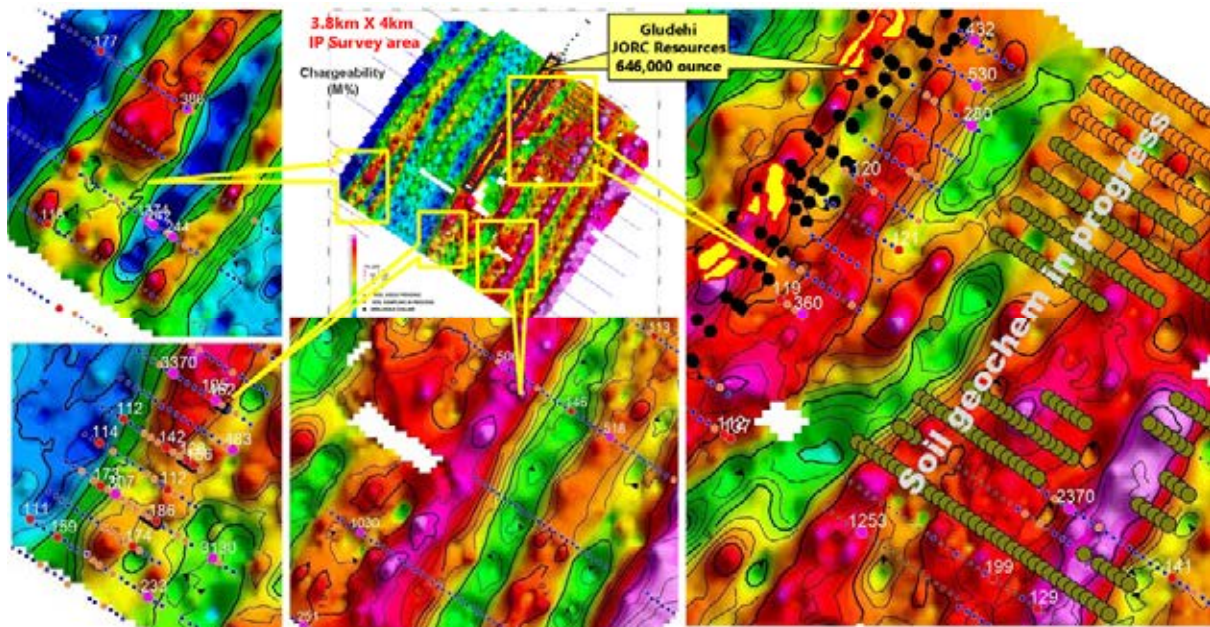


Figure 8 Gold anomalies in parallel with existing Gludehi gold deposit

Liberian projects

Field soil geochem work was carried out intensively at Tietto's two 100%-owned gold projects in Liberia since March to early September. While part of the soil samples from this phase are being analysed in lab, it is expected that an update on the two Liberian project will be released in Q4. Field work in the two Liberian projects was suspended in middle September due to severe rains and poor road access.

CORPORATE

IP Services Agreement

Tietto signed a 12-month induced polarisation (IP) survey services agreement with Hong Kong Ausino Investment Ltd (Hong Kong Ausino) in late July.

Under the Agreement, Tietto will pay Hong Kong Ausino an equipment leasing fee of USD\$3,750 per month and be responsible for the wages of the crew members as well as transportation cost for both the IP equipment and crew members. Tietto will retain the flexibility to settle the fees payable under the Agreement quarterly in ordinary shares calculated using the 20-day Volume Weight Average Price (VWAP) of Tietto shares on ASX.

In recognition of Hong Kong Ausino's friendly technical support in conducting IP survey, Tietto will issue a total of 7 million unlisted options in two tranches comprising: 3.5 million options at the end of the first six-month period and 3.5 million at the end of the second six-month period. The options will have an exercise price of AUD\$0.30 each and time to expiry of four years from the date of issue.

This agreement followed Hong Kong Ausino completing a \$4 million two-tranche placement in Tietto. Hong Kong Ausino is controlled by Dr Minlu Fu, a celebrated Australian-Chinese geologist and geophysicist.

As of 30th September, Tietto has cash of \$4.7m and has the following two options for an additional \$2.4m in cash to be utilised in exchange for Tietto shares:

1. For Ausdrill drilling, Tietto can choose to pay Ausdrill by 100% in cash or by 50% in cash and 50% in Tietto's shares for a minimum of 10,000m to be drilled; and
2. For Hong Kong Ausino's investment, as announced on 12/06/2018, Tietto can elect to use up to \$1.5m convertible debt facility of which Tietto used \$116k as of the end of the report quarter.

Results of Meeting

At a General Meeting of Tietto shareholders on 21 August 2018, all resolutions contained in the Notice of General Meeting dated 18 July 2018 were passed on a show of hands. Resolutions were:

1. Ratification of Prior Issue – Hongkong Ausino Subscription Shares
2. Ratification of Prior Issue – B&F Minerals Consideration Shares.

Change of Registry Address

During the quarter, Tietto's share registry Automic changed its address details to:

Level 5
126 Phillip Street
Sydney NSW 2000

Its correspondence address changed to:

GPO Box 5193
Sydney NSW 2000

The changes came into effect on 2 October 2018. All other contact information for Automic remains the same.

Release of Escrowed Securities

During the quarter, 8,875,850 fully paid ordinary Tietto shares were released from escrow.

ENDS

For further information, visit www.tietto.com or contact:

Dr Caigen Wang
Managing Director
Tel: +61 8 9486 4036

Competent Persons' Statements

The information in this report that relates to Exploration Targets and Exploration Results is based on information compiled by Mr Mark Strizek, a Competent Person who is a Member of The Australasian Institute of Mining and Metallurgy. Mr Strizek is a non-executive director of the Company. Mr Strizek has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity being undertaking to qualify as a Competent Person as defined in the 2012 edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves". Mr Strizek consents to the inclusion in the announcement of the matters based on his information in the form and context in which it appears.

The information in this report that relates to Mineral Resources was first published by RPM Global in the Company's Replacement Prospectus dated 16 November 2017 released on the ASX platform on 16 January 2018. The Company confirms that it is not aware of any new information or data that materially affects the relating to Minerals Resources in this publication. The Company confirms that all material assumptions and technical parameters underpinning the estimates in continue to apply and have not materially changed. The Company confirms that the form and context in which the RPM Global's findings are presented have not been materially modified.

About Abujar Gold Project, Côte d'Ivoire

The Abujar Project is located approximately 30km from the major regional city of Daloa in central western Côte D'Ivoire. It is close to good regional and local infrastructure to facilitate exploration and development being only 15km from nearest tarred road and grid power.

The Abujar Project is comprised of three contiguous tenements (Figure 9), Middle, South and North tenement, with a total land area of 1,114km², of which less than 5% has been explored. It features a NNE-orientated gold corridor over 65km striking across three tenements shown in Figure 5.

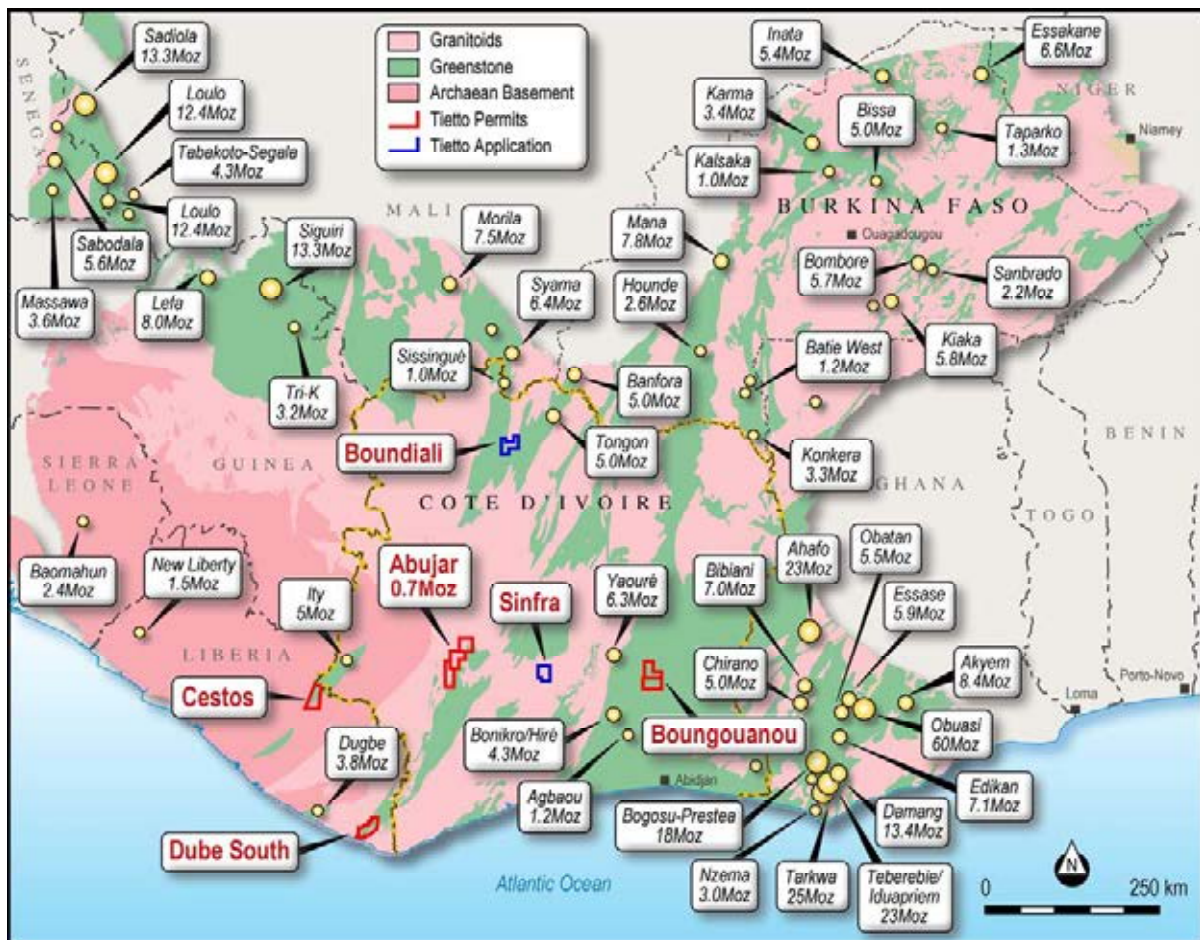


Figure 9: Location of Tietto's gold projects in West Africa

Tietto is well placed to grow its resource inventory. It has substantially advanced the project since starting exploration in mid-2015 with the identification of 706,000 ounces JORC 20120 Mineral Resources and has completed preliminary metallurgical test work.

In late 2016, Tietto established an independent JORC 2012 Mineral Resource of 10.42Mt @ 2.1g/t Au for 703,600oz reported at a 0.4g/t and 0.8g/t Au cut off (within pit shell and beyond pit shell) (Table 3) within the Abujar-Gludehi and Abujar-Pischon prospects, both of which lie within the Abujar Middle tenement.

Table 1 - Abujar Gold Project Inferred Resource (JORC 2012)

Area	Type	Quantity (Mt)	Au (g/t)	Metal Au (oz)
Gludehi (Inferred)	Oxide	0.3	2.1	20,000
	Transition	0.72	1.8	41,000
	Fresh	8.37	2.2	585,000
	Total	9.39	2.1	646,000
Pischoh (Inferred)	Oxide	0.18	1.6	9,100
	Transition	0.11	1.5	5,500
	Fresh	0.74	1.8	43,000
	Total	1.04	1.7	57,600
Grand Total		10.42	2.1	703,600

Tietto commissioned ALS in Perth to conduct preliminary metallurgical testwork in 2015 using over 300kg of RC drill cuttings from drilling at Abujar-Gludehi to determine a likely gold extraction flowsheet. ALS reported that the gold was free milling with very high gravity recovery of gold and favourable leach kinetics (Table 2).

Table 2 - Abujar Gold Project Preliminary Metallurgical Testing Results

Sample Type	Grinding Size (μm) (80% passing)	Gravity Recovery (%)	CIL Recovery (%)
Oxidized	75	64.42	98.44
Transitional	75	82.57	99.46
Primary Ore	75	83.58	99.1

- 71 samples taken along strike and across oxide, trans and fresh material
- Extremely high gold recovery (>98%)
- Up to 89% of gold may be recovered using simple gravity methods
- Final grind as large as 125 micron depending on further testwork

Tietto has an extensive work program for 2018/2019 which is principally focused on the Middle tenement of Abujar Project and preliminary work at the Abujar South and North tenements. It is the Company's strategy to carry out further exploration drilling at a pipeline of well-defined targets shown in Figure 10 aimed at upgrading the JORC resource at the end of 2018 and further upgrade in 2019.



Figure 10: Pipeline of targets to grow resources

In addition, the Company has recently discovered a series of IP anomalies within the immediate vicinity of the Abujar-Gludehi deposit and in parallel with the Abujar-Gludehi strike. Preliminary geochem study on one of the parallel IP anomalies has revealed strong gold-in-soil anomalism (Figure 7) that is in excellent correlation with IP anomaly suggesting potential for underlying gold mineralisation.

Appendix A – Schedule of Tenements as at 30 September 2018

Tenement ID	Status	Interest at beginning of quarter	Interest acquired or disposed	Interest at end of quarter
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Côte d'Ivoire

Abujar North ¹ (Zahibo License)	Granted	15%	0%	15%
Abujar Middle ² (Zoukougbeu License)	Granted	90%	0%	90%
Abujar South (Issia License)	Granted	100%	0%	100%
Bongouanou North in Cote D'Ivoire	Granted	50%	0%	50%
Bongouanou South in Cote D'Ivoire	Granted	50%	0%	50%

1. Tietto has the right to acquire up to a 80% interest in the Abujar North Exploration License.
2. Tietto has 90% share capital of Tiebaya Gold which holds 100% interest of the Abujar Middle Exploration License

Liberia

Dude South	Granted	100%	0%	100%
Cestos Project	Granted	100%	0%	100%