

Almonty Industries Inc.

Canada / Mining Toronto Bloomberg: All CN ISIN: CA0203981034

Update

RATING PRICE TARGET

BUY CAD 1.45

159,487

Return Potential 101.4% Risk Rating High

ON COURSE TO REALISE THE WORLD'S PREMIER TUNGSTEN PROJECT

Almonty has placed €3.3m (ca. USD3.7m) of convertible bonds and also closed a secured loan of USD0.5m. These financing measures represent further steps towards the completion of the financing of the Sangdong mine, which is expected to account for 25% of non-Chinese WO₃ supply by 2026. The total sum required to construct the mine is USD103m. Almontv received a binding commitment letter for a USD76m senior project finance loan from the German state bank KfW in January. The convertible bond and secured loan reduce the owners' cost portion still to be raised to ca. USD23m. The DSRA (debt service reserve account) accounts for USD10m of this figure. We expect this sum to be financed through a bank guarantee or line of credit and the balance of USD13m to stem from a hybrid/mezzanine/bond financing structure. Once this money has been raised, Almonty will be able to draw down the USD76m from the KfW. Sangdong has a multi-decade mine life, and the resource to CAPEX ratio at 3.9x is twice the level of the next most competitive tungsten project on the basis of this metric. Moreover, the average tungsten grade of 0.44% at Sangdong is twice the Chinese and global average. The high grade of the resource means that Sangdong's cash operating costs at USD106/MTU (MTU = metric ton unit = 10Kg) are located in the lowest quartile of the cost curve. Almonty's 15 year 210k MTU p.a. offtake agreement with the Plansee subsidiary, GTP, has a floor price of USD183/MTU. This implies a secure annual cashflow of USD16.2m (CAD21.8m). Annual WO₃ production at Sangdong is scheduled to ramp to ca. 500,000 MTU by 2026. We maintain our Buy recommendation but raise our price target to CAD1.45 (previously: CAD1.35) to reflect lower dilution than we previously modelled.

Multi-decade mine life at Sangdong even after capacity expansion We expect Sangdong to process over 600,000 tonnes of ore in 2023 producing over 250k MTU WO $_3$. Mine life after the planned increase in capacity to 1.2m tonnes of ore from 2026 (annual production of ca. 500k MTU WO3) will still be over 50 years. (p.t.o.)

FINANCIAL HISTORY & PROJECTIONS

	2017/18	2018/19	2020E	2021E	2022E	2023E
Revenue (CAD m)	65.17	54.63	25.82	41.02	97.42	111.86
Y-o-y growth	67.0%	-16.2%	-52.7%	58.9%	137.5%	14.8%
EBIT (CAD m)	-7.61	-8.35	-4.06	2.22	34.71	24.19
EBIT margin	-11.7%	-15.3%	-15.7%	5.4%	35.6%	21.6%
Net income (CAD m)	-10.69	-5.86	-8.69	-4.08	26.27	16.69
EPS (diluted) (CAD)	-0.06	-0.03	-0.05	-0.02	0.13	0.08
DPS (CAD)	0.00	0.00	0.00	0.00	0.00	0.00
FCF (CADm)	4.67	-5.00	-58.50	-49.59	29.77	41.44
Net gearing	98.8%	142.0%	209.3%	375.7%	168.4%	78.5%
Liquid assets (CAD m)	8.72	1.50	76.74	0.39	33.12	45.41

RISKS

Risks are a protracted downturn in tungsten commodity prices and failure to achieve expected production levels at the Sangdong tungsten mining project.

COMPANY PROFILE

Almonty is a turnaround investor-operator specialising in acquiring distressed and underperforming operations and assets in tungsten markets.

MARKET DATA	As of 05 Aug 2020
Closing Price	CAD 0.72
Shares outstanding	184.46m
Market Capitalisation	CAD 132.81m
52-week Range	CAD 0.34 / 0.89

Multiples 2020E 2018/19 2021E P/E n.a. n.a. EV/Sales 7.2 4.5 3.4 EV/EBIT 83.8 Div. Yield 0.0% 0.0% 0.0%

STOCK OVERVIEW

Avg. Volume (12 Months)



COMPANY DATA	As of 31 Mar 2020
Liquid Assets	CAD 3.62m
Current Assets	CAD 14.39m
Intangible Assets	CAD 60.39m
Total Assets	CAD 144.12m
Current Liabilities	CAD 64.57m
Shareholders' Equity	CAD 33.24m

SHAREHOLDERS

Lewis Black/Almonty Partners LLC	19.5%
Global Tungsten & Powders Corp.	15.0%
Deutsche Rohstoff AG	12.7%
Board Members	2.0%
Free float and other	50.8%



Large molybdenum deposit located beneath the Sangdong tungsten deposit Our present valuation is based solely on Almonty's tungsten assets. However, during the period 1980-87, Korea Tungsten Mining Co. Ltd (KTMC) identified a large molybdenite-quartz vein stockwork deposit in the Sangdong area which is known as the Deep Moly Deposit. This deposit is located 150m below the Sangdong WO₃ mine and has a vertical thickness of up to 400m. Exploration work carried out by KTMC (22 vertical holes corresponding to 12,390m core drilling) produced a preliminary resource estimate (non-NI 43-101-compliant) of 16.3 million tonnes grading 0.4% MoS₂ (molybdenum disulfide). Almonty acknowledge that further exploration work is required and plan to undertake this during the early stages of mining the Sangdong tungsten deposit.

Demand for the additional production at Sangdong could come from South Korean industry/users of value-added products The offtake agreement with GTP will account for ca. 80% of Sangdong's WO₃ output with annual processing capacity at 600,000 tonnes of ore. Demand for the additional output at capacity of 1.2m tonnes is likely to come from South Korea and users of value-added products. South Korea is the world's largest importer of tungsten oxides from China. Likely customers include semiconductor, light-emitting diode and liquid crystal display manufacturers. Almonty is also considering adding downstream processing capacity to convert WO₃ into value-added products such as ferrotungsten and sodium tungstate. Ferrotungsten is a master alloy for the production of tungsten-containing steels while sodium tungstate is an intermediate product in the conversion of tungsten ores into tungsten.

Valtreixal mine permit expected by end 2020 but mining unlikely to start until 2025 In mid-June the Spanish authorities classified Almonty's Valtreixal property in northwest Spain as suitable for mining activity. Management expect to complete the mining permitting process which will allow construction of an open pit mine at the site by the end of this year. However, production at Valtreixal is not expected to start until 2025 because Almonty's first priority is the initiation of production at Sangdong. The October 2015 NI 43-101 technical report on the Valtreixal project showed a reserve of 2.55m tonnes grading 0.25% WO₃ and 0.12% Sn (tin). The technical report assumes recovery rates for the WO₃ and Sn reserves of 56% and 67% respectively. Life-of-mine output on the basis of this reserve figure would be 357k MTU WO₃ and 204k MTU Sn.

Figure 1: Valtreixal reserve estimate

Category	Tonnes	WO ₃	Sn	WO₃ Equiv.
	Kt	%	%	%
Probable reserves	2,549	0.25	0.12	0.34

Source: Almonty

Figure 2: Valtreixal resource estimate

Category	Tonnes Kt	WO₃ %	Sn %	WO₃ equivalent %
Indicated	2,828	0.25	0.13	0.34
Inferred	15,419	0.08	0.12	0.17
Total	18,247	0.11	0.12	0.20

Source: Almonty

The 2015 technical report suggests that Valtreixal's mine life could be over 20 years

As figure 2 shows, Valtreixal has an indicated resource of 2.83m tonnes grading 0.25% WO₃ and 0.13% Sn and an inferred resource of 15.42m tonnes grading 0.08% WO3 and 0.12% Sn. A pit optimisation model included in the 2015 NI 43-101 technical report suggests potential for profitable production (based on tungsten APT and Sn prices of USD260/MTU and USD20,000/tonne respectively) of over 20 years at annual WO₃ equivalent production in excess of 80,000 MTU. However, our valuation of Valtreixal only incorporates production which can be generated on the basis of the reserve.

Q1/20 results fell due to lower production and tungsten prices Almonty's Q1/20 results (see figure 3) showed a 51% decline in revenue to CAD6.4m (Q1/19: CAD13.1m) while EBITDA fell to CAD-1.8m (Q1/19: CAD6.0m). Revenue declined because of lower production and shipments at both the Los Santos and Panasqueira mines, as well as an 11.9% decline in the average commodity price. Production was 17.1% lower at Panasqueira and 80.4% lower at Los Santos. At Panasqueira production fell because of a decision to mine lower grade ore so as to facilitate planned underground maintenance, thereby enabling mining of higher grade ore in future quarters. Production at Los Santos fell because of a switchover from mining of fresh ore to processing of tailings inventory in Q3/19.

Los Santos on care and maintenance; we expect production to resume in 2021 Lower than expected recovery rates from tailings processing at Los Santos caused management to put the Los Santos Mine on care and maintenance in February 2020 so as to focus on the financing of the Sangdong Mine. The company is assessing an expenditure of ca. CAD1m on tailings processing technology which is currently widely used in Asia. We expect the restart of operations at Los Santos in calendar 2021. The CAD0.6m care and maintenance charge taken in the Q1/20 P&L reflects severance payments at Los Santos and is not expected to recur during subsequent quarters.

Figure 3: Q1/20 results

CAD 000's	Q1/20	Q1/19	Δ %
Revenue	6,391	13,051	-51.0%
Production costs	5,728	5,733	
Care and maintenance costs	598	0	
EBITDA from mining ops.	65	7,318	-99.1%
Depreciation and amortisation	709	1,630	
Earnings/(loss) from mining ops.	-644	5,688	n.a.
General and administrative	1,620	1,620	
Share-based compensation	207 0		
EBIT	-2,471	4,068	n.a.
Net interest expense	664	654	
(Gains) losses on debt settlements	-1,619	0	
Foreign exchange (gain) loss	2,544	-718	
Income (loss) before income taxes	-4,060	4,132	
Income tax provision	0	168	
Net income before minorities	-4,060	3,964	n.a.
EBITDA	-1.762	5,698	n.a.

Source: Almonty



Financing of Sangdong mine strengthens management hand in negotiations with creditors As figure 4 below shows, Almonty's net gearing climbed to 163% at the end of March. CAD30.3m of the group's debt was denominated in US dollars, CAD9.0m in euros, and the balance in CAD. We estimate that the weakness of the Canadian dollar against the US dollar and euro accounted for over half of the CAD6m increase in net debt during Q1/20. Despite Almonty's elevated gearing level, we continue to believe that the risk to the company's continued solvency is limited. Most of the debt on Almonty's balance sheet is either owed to shareholders, guaranteed by shareholders or owed to banks in countries (Spain and Portugal) where Almonty's mines provide substantial employment. Almonty has historically been very adept at rescheduling its debt and we believe that the financing of the Sangdong mine will strengthen management's hand in this regard. The maturity date of the Unicredit loan (CAD22.2m at the end of March) is 30 September 2020, but the maturity date can be extended each year over a three year period to 30 September 2023. The recent convertible bond and loan financing should cover working capital requirements until the end of this year by which time we expect Almonty to have raised the remaining USD23m of the owners cost portion of the Sandgong loan financing and drawn down the USD76m KfW project finance loan.

Figure 4: Evolution of Almonty's net debt position

CAD 000s	31-Dec-18	31-Mar-19	30-Jun-19	30-Sep-19	31-Dec-19	31-Mar-20
Cash	9,457	9,353	5,165	2,891	1,496	3,624
Restricted cash	1,279	1,262	1,495	1,189	0	0
Short term debt	30,278	36,073	31,733	37,205	33,763	46,995
Long term debt	22,327	13,616	13,423	12,777	15,736	10,680
Net debt	41,869	39,074	38,496	45,902	48,003	54,051
Equity	50,180	51,963	52,778	48,229	33,816	33,239
Net gearing	83.4%	75.2%	72.9%	95.2%	142.0%	162.6%

Source: Almonty

The most significant changes to our forecasts (see figure 5 below) relate to upward revisions to our production cost forecasts following the Q1/20 results. These relate to lower tin credits at Panasqueira as a result of the collapse in the price of this metal at the start of the pandemic. A recovery in the tin price has prompted increased shipments since the end of Q2/20 and hence lower unit costs.

Figure 5: Changes to forecasts

		2020E			2021E			2022E		2023E
All figures in CAD '000	new	old	% ∆	new	old	% ∆	new	old	% ∆	new
Revenue	25,816	26,050	-0.9%	41,021	41,565	-1.3%	97,421	98,174	-0.8%	111,863
Production costs	19,121	11,216	70.5%	26,806	23,829	12.5%	48,644	46,247	5.2%	55,975
Care and maintenance costs	598	0	n.a.	0	0	n.a.	0	0	n.a.	0
EBITDA from mining ops.	6,097	14,833	-58.9%	14,216	17,736	-19.8%	48,777	51,927	-6.1%	55,887
Depreciation and amortisation	2,698	4,050	-33.4%	4,652	6,750	-31.1%	4,652	6,750	-31.1%	21,395
Result of mining ops.	3,399	10,783	-68.5%	9,564	10,986	-12.9%	44,125	45,177	-2.3%	34,493
General and administrative	7,253	9,000	-19.4%	7,344	8,000	-8.2%	9,416	9,500	-0.9%	10,305
Share-based compensation	207	0	n.a.	0	0	n.a.	0	0	n.a.	0
Operating income (EBIT)	-4,061	1,783	n.a.	2,220	2,986	-25.7%	34,709	35,677	-2.7%	24,188
Interest expense	3,700	2,128	73.9%	6,591	2,297	186.9%	5,520	5,503	0.3%	5,639
Gain on debt settlement	1,619	0	n.a.	0	0	n.a.	0	0	n.a.	0
FX (gain) loss	2,544	0	n.a.	0	0	n.a.	0	0	n.a.	0
Pre-tax income (EBT)	-8,686	-345	n.a.	-4,371	689	n.a.	29,189	30,174	-3.3%	18,549
Income taxes	0	-256	-100.0%	-287	-296	-2.9%	2,919	-299	n.a.	1,855
Net income / loss	-8,686	-89	n.a.	-4,084	985	n.a.	26,270	30,473	-13.8%	16,694
EPS (CAD)	-0.05	0.00	n.a.	-0.02	0.00	n.a.	0.13	0.12	-13.8%	0.08
EBITDA	-1,363	5,833	n.a.	6,872	9,736	-29.4%	39,361	42,427	-7.2%	45,582

Source: First Berlin Equity Research estimates

Buy recommendation maintained; price target raised from CAD1.35 to CAD1.45 Our valuation of Almonty's assets is little changed on our note of 10 June. However, our price

target rises because we now model only USD13m of dilutive equity financing (previously: USD32m) and we also assume that this is based on the current higher share price. We maintain our Buy recommendation and raise the price target from CAD1.35 to CAD1.45.

Figure 6: Sangdong DCF valuation*

USD	2020E	2021E	2022E	2023E	2024E	2025E	2026E	2027E	2028E	2029E	2030E
Tungsten APT price		260	260	260	260	260	260	260	260	260	260
WO₃ price		203	203	203	203	203	203	203	203	203	203
Metric tonne units produced	0	7,277	213,280	266,029	263,830	396,711	501,108	501,108	501,108	501,108	501,108
Revenues	0	1,475,832	43,253,239	53,950,740	53,504,786	80,452,964	101,624,796	101,624,796	101,624,796	101,624,796	101,624,796
Ore mining costs	0	636,308	11,415,178	15,221,208	15,779,804	23,204,013	28,693,936	29,009,436	29,859,602	28,639,207	28,044,004
Processing costs	0	246,674	6,796,121	8,854,840	8,854,840	13,101,740	16,549,567	16,549,567	14,191,200	14,191,200	14,191,200
G&A costs	575,000	640,000	2,174,530	2,833,250	2,833,250	4,192,115	5,295,303	5,295,303	5,880,000	5,880,000	5,880,000
Total operating costs	575,000	1,522,982	20,385,829	26,909,298	27,467,894	40,497,868	50,538,806	50,854,306	49,930,802	48,710,407	48,115,204
Operating costs per MTU		209	96	101	104	102	101	101	100	97	96
EBITDA	-575,000	-47,150	22,867,409	27,041,442	26,036,892	39,955,096	51,085,990	50,770,490	51,693,994	52,914,389	53,509,592
Depreciation	0	0	0	10,847,955	10,847,955	12,775,168	13,926,814	14,206,172	14,732,906	15,138,178	4,290,223
EBIT	-575,000	-47,150	22,867,409	16,193,487	15,188,937	27,179,928	37,159,176	36,564,318	36,961,088	37,776,211	49,219,369
Cash taxes	0	0	0	0	0	3,397,491	4,644,897	7,312,864	7,392,218	7,555,242	9,843,874
Tax rate	0.0%	0.0%	0.0%	0.0%	0.0%	12.5%	12.5%	20.0%	20.0%	20.0%	20.0%
Cashflow from operations	-575,000	-47,150	22,867,409	27,041,442	26,036,892	36,557,605	46,441,093	43,457,626	44,301,776	45,359,147	43,665,719
Initial CAPEX	35,908,173	37,891,693	0	0	6,500,000	6,500,000	0	0	0	0	0
Sustaining CAPEX	0	0	2,135,822	0	490,489	1,561,521	1,955,503	3,687,141	2,836,907	0	0
Net cashflow	-36,483,173	-37,938,843	20,731,587	27,041,442	19,046,403	28,496,084	44,485,590	39,770,485	41,464,869	45,359,147	43,665,719
Discounted cashflow	-35,238,666	-33,618,973	16,854,133	20,168,668	13,032,683	17,888,732	25,620,478	21,013,687	20,099,959	20,172,200	17,815,684
PV cashflows (9%)	250,328,490										

^{*}for layout purposes the model shows numbers only until 2030 but runs until 2045

Source: First Berlin Equity Research estimates; Almonty Industries Inc.

Figure 7: Los Santos, Panasqueira, Valtreixal DCF valuation

USD	2020E	2021E	2022E	2023E	2024E	2025E	2026E	2027E	2028E
Tungsten APT price	260	260	260	260	260	260	260	260	260
WO ₃ price received	226	239	239	227	227	216	217	218	218
Metric tonne units produced	80,000	120,000	120,000	122,806	124,112	219,962	209,985	195,008	191,264
Revenues	18,044,654	28,728,000	28,728,000	27,886,712	28,151,526	47,590,040	45,566,713	42,529,384	41,770,051
Total operating costs	14,400,000	21,600,000	21,600,000	22,105,040	22,340,082	47,291,880	37,797,348	35,101,495	34,427,531
Operating costs per MTU	180	180	180	180	180	215	180	180	180
EBITDA	3,644,654	7,128,000	7,128,000	5,781,672	5,811,444	298,161	7,769,364	7,427,889	7,342,521
Depreciation	3,000,000	5,000,000	5,000,000	5,000,000	5,000,000	8,000,000	8,000,000	8,000,000	8,000,000
EBIT	644,654	2,128,000	2,128,000	781,672	811,444	-7,701,839	-230,636	-572,111	-657,479
Cash taxes	64,465	212,800	212,800	78,167	81,144	0	0	0	0
Tax rate	10.0%	10.0%	10.0%	10.0%	10.0%	25.0%	25.0%	25.0%	25.0%
Cashflow from operations	3,580,189	6,915,200	6,915,200	5,703,505	5,730,299	298,161	7,769,364	7,427,889	7,342,521
Sustaining CAPEX	1,499,999	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000
Net cashflow	2,080,190	5,415,200	5,415,200	4,203,505	4,230,299	-1,201,839	6,269,364	5,927,889	5,842,521
Discounted cashflow	2,009,231	4,798,603	4,402,389	3,135,154	2,894,623	-754,468	3,610,700	3,132,142	2,832,143
PV cashflows (9%)	26.060.516								

^{*}the model runs until 2028

Source: First Berlin Equity Research estimates; Almonty Industries Inc.

Figure 8: Sum-of-the-parts valuation

USD 000's	New	Old	% ∆
Sangdong	250,328	246,807	1.4%
Los Santos, Panasqueira, Valtreixal	26,061	26,097	-0.1%
Total enterprise value	276,389	272,904	1.3%
Total enterprise value (CAD 000's)	373,125	368,421	1.3%
Plus: proforma net cash (CAD 000's)	-21,164	9,127	n.a.
Fair equity value (CAD 000's)	351,961	377,548	-6.8%
Proforma no. shares (000's)	239,910	279,275	-14.1%
Fair equity value per share (CAD)	1.47	1.35	8.5%

Source: First Berlin Equity Research estimates



INCOME STATEMENT

Revenue	All figures in CAD '000	2017/18A	2018/19A	2020E	2021E	2022E	2023E
Care and maintenance costs 0 0 598 0 0 0 EBITDA from mining operations 28,472 16,440 6,097 14,216 48,777 55,887 Impairment loss 15,604 10,112 0 0 0 0 Depreciation and amortisation 11,155 4,487 2,688 4,652 4,652 21,395 Income from mining operations 1,713 1,841 3,399 9,564 44,125 34,493 General and administrative 8,426 10,124 7,253 7,344 9,416 10,305 Share-based compensation 897 68 207 0 0 0 0 Operating Income (EBIT) -7,610 -8,351 -4,061 2,220 34,709 24,188 Interest expense 2,459 3,049 3,700 6,591 5,520 5,639 Gains on debt settlements 0 -4,150 0 0 0 0 0 0 0 0 0	Revenue	65,171	54,634	25,816	41,021	97,421	111,863
EBITDA from mining operations 28,472 16,440 6,097 14,216 48,777 55,887 Impairment loss 15,604 10,112 0 0 0 0 0 Depreciation and amortisation 11,155 4,487 2,698 4,652 4,652 21,395 Income from mining operations 1,713 1,841 3,399 9,564 44,125 34,933 General and administrative 8,426 10,124 7,253 7,344 9,416 10,305 Share-based compensation 897 68 207 0 0 0 0 Operating income (EBIT) -7,610 -8,351 -4,061 2,220 34,709 24,188 Interest expense 2,459 3,049 3,700 6,591 5,520 5,639 Gains on deconsolidation 0 -4,150 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 </td <td>Production costs</td> <td>36,699</td> <td>38,194</td> <td>19,121</td> <td>26,806</td> <td>48,644</td> <td>55,975</td>	Production costs	36,699	38,194	19,121	26,806	48,644	55,975
Impairment loss 15,604 10,112 0 0 0 0 Depreciation and amortisation 11,155 4,487 2,698 4,652 4,652 21,395 Income from mining operations 1,713 1,841 3,399 9,564 44,125 34,493 General and administrative 8,426 10,124 7,253 7,344 9,416 10,305 Share-based compensation 897 68 207 0 0 0 Operating income (EBIT) -7,610 -8,351 -4,061 2,220 34,709 24,188 Interest expense 2,459 3,049 3,700 6,591 5,520 5,639 Gains on debt settlements 0 -401 1,619 0 0 0 Gains on debt settlements 0 -401 1,619 0 0 0 0 Gains on debt settlements 0 -401 1,619 0 0 0 0 0 0 0 0 0	Care and maintenance costs	0	0	598	0	0	0
Depreciation and amortisation 11,155 4,487 2,698 4,652 4,652 21,395 1	EBITDA from mining operations	28,472	16,440	6,097	14,216	48,777	55,887
Name Name	Impairment loss	15,604	10,112	0	0	0	0
General and administrative 8,426 10,124 7,253 7,344 9,416 10,305 Share-based compensation 897 68 207 0 0 0 Operating income (EBIT) 7,610 8,351 4,061 2,220 34,709 24,188 Interest expense 2,459 3,049 3,700 6,591 5,520 5,639 Gains on debt settlements 0 401 -1,619 0 0 0 0 Gain on deconsolidation 0 -4,150 0 0 0 0 0 Foreign exchange (gain) loss -95 -1,785 2,544 0 0 0 0 Pre-tax income (EBT) -9,974 -5,064 -8,686 -4,371 29,189 18,549 Income taxes 715 79,0 0 0 22,77 2,919 1,859 Minority interests 0 0 0 0 0 0 0 0 0 0 0	Depreciation and amortisation	11,155	4,487	2,698	4,652	4,652	21,395
Share-based compensation 897 68 207 0 0 0 Operating income (EBIT) -7,610 -8,351 -4,061 2,220 34,709 24,188 Interest expense 2,459 3,049 3,700 6,591 5,520 5,639 Gains on debt settlements 0 -401 -1,619 0 0 0 0 Gain on deconsolidation 0 -4,101 0 </td <td>Income from mining operations</td> <td>1,713</td> <td>1,841</td> <td>3,399</td> <td>9,564</td> <td>44,125</td> <td>34,493</td>	Income from mining operations	1,713	1,841	3,399	9,564	44,125	34,493
Operating income (EBIT) -7,610 -8,351 -4,061 2,220 34,709 24,188 Interest expense 2,459 3,049 3,700 6,591 5,520 5,639 Gains on debt settlements 0 -401 -1,619 0 0 0 Gain on deconsolidation 0 -4,150 0 0 0 0 Foreign exchange (gain) loss -955 -1,785 2,544 0 0 0 0 Pre-tax income (EBT) -9,974 -5,064 -8,686 -4,371 29,189 18,549 Income taxes 715 798 0 -287 2,919 1,855 Minority interests 0	General and administrative	8,426	10,124	7,253	7,344	9,416	10,305
Interest expense 2,459 3,049 3,700 6,591 5,520 5,638 Gains on debt settlements 0 -401 -1,619 0 0 0 Gain on deconsolidation 0 -4,150 0 0 0 0 Foreign exchange (gain) loss -95 -1,785 2,544 0 0 0 0 Pre-tax income (EBT) -9,974 -5,064 -8,686 -4,371 29,189 18,549 Income taxes 715 798 0 -287 2,919 1,855 Minority interests 0	Share-based compensation	897	68	207	0	0	0
Gains on debt settlements 0 -4011 -1,619 0 0 0 0 Gain on deconsolidation 0 -4,150 0 0 0 0 Foreign exchange (gain) loss -95 -1,785 2,544 0 0 0 0 Pre-tax income (EBT) -9,974 -5,064 -8,686 -4,371 29,189 18,549 18,549 Income taxes 715 798 0 0 -287 2,919 1,855 1,855 Minority interests 0 0 0 0 0 0 0 0 0 0 0	Operating income (EBIT)	-7,610	-8,351	-4,061	2,220	34,709	24,188
Gain on deconsolidation 0 -4,150 0 0 0 0 Foreign exchange (gain) loss -95 -1,785 2,544 0 0 0 Pre-tax income (EBT) -9,974 -5,064 -8,686 -4,371 29,189 18,549 Income taxes 715 798 0 -287 2,919 1,855 Minority interests 0 <td>Interest expense</td> <td>2,459</td> <td>3,049</td> <td>3,700</td> <td>6,591</td> <td>5,520</td> <td>5,639</td>	Interest expense	2,459	3,049	3,700	6,591	5,520	5,639
Foreign exchange (gain) loss -95 -1,785 2,544 0 0 0 Pre-tax income (EBT) -9,974 -5,064 -8,686 -4,371 29,189 18,549 Income taxes 715 798 0 -287 2,919 1,855 Minority interests 0 0 0 0 0 0 0 0 Net income / loss -10,689 -5,862 -8,686 -4,084 26,270 16,694 Diluted EPS (in CAD) -0.06 -0.03 -0.05 -0.02 0.13 0.08 EBITDA 3,545 -3,864 -1,363 6,872 39,361 45,582 Ratios	Gains on debt settlements	0	-401	-1,619	0	0	0
Pre-tax income (EBT) -9,974 -5,064 -8,866 -4,371 29,189 18,549 Income taxes 715 798 0 -287 2,919 1,855 Minority interests 0 0 0 0 0 0 0 Net income / loss -10,689 -5,862 -8,686 -4,084 26,270 16,694 Diluted EPS (in CAD) -0.06 -0.03 -0.05 -0.02 0.13 0.08 EBITDA 3,545 -3,864 -1,363 6,872 39,361 45,582 Ratios	Gain on deconsolidation	0	-4,150	0	0	0	0
Income taxes	Foreign exchange (gain) loss	-95	-1,785	2,544	0	0	0
Minority interests 0 0 0 0 0 0 0 Net income / loss -10,689 -5,862 -8,686 -4,084 26,270 16,694 Diluted EPS (in CAD) -0.06 -0.03 -0.05 -0.02 0.13 0.08 EBITDA 3,545 -3,864 -1,363 6,872 39,361 45,582 Ratios EBITDA margin on revenues 5.4% -7.1% -5.3% 16.8% 40.4% 40.7% EBIT margin on revenues -11.7% -15.3% -15.7% 5.4% 35.6% 21.6% Net margin on revenues -16.4% -10.7% -33.6% -10.0% 27.0% 14.9% Tax rate n.m. n.m. n.m. n.m. n.m. n.m. 10.0% 27.0% 14.9% Expenses as % of revenues 56.3% 69.9% 74.1% 65.3% 49.9% 50.0% Impairment loss 23.9% 18.5% 0.0% 0.0% 0.0% 0.0%	Pre-tax income (EBT)	-9,974	-5,064	-8,686	-4,371	29,189	18,549
Net income / loss -10,689 -5,862 -8,686 -4,084 26,270 16,694 Diluted EPS (in CAD) -0.06 -0.03 -0.05 -0.02 0.13 0.08 EBITDA 3,545 -3,864 -1,363 6,872 39,361 45,582 Ratios EBIT DA margin on revenues 5.4% -7.1% -5.3% 16.8% 40.4% 40.7% EBIT margin on revenues -11.7% -15.3% -15.7% 5.4% 35.6% 21.6% Net margin on revenues -16.4% -10.7% -33.6% -10.0% 27.0% 14.9% Tax rate n.m. n.m. n.m. n.m. n.m. 10.0% 10.0% Expenses as % of revenues 56.3% 69.9% 74.1% 65.3% 49.9% 50.0% Impairment loss 23.9% 18.5% 0.0% 0.0% 0.0% 0.0% General and administrative 12.9% 18.5% 28.1% 17.9% 9.7% 9.2% Y-Y	Income taxes	715	798	0	-287	2,919	1,855
Diluted EPS (in CAD) -0.06 -0.03 -0.05 -0.02 0.13 0.08 EBITDA 3,545 -3,864 -1,363 6,872 39,361 45,582 Ratios EBITDA margin on revenues 5,4% -7,1% -5,3% 16.8% 40.4% 40.7% EBIT margin on revenues -11,7% -15,3% -15,7% 5,4% 35,6% 21,6% Net margin on revenues -16,4% -10,7% -33,6% -10,0% 27,0% 14,9% Tax rate n.m. n.m. n.m. n.m. n.m. 10,0% 27,0% 10,0% 10,0% Expenses as % of revenues 56,3% 69,9% 74,1% 65,3% 49,9% 50,0% Impairment loss 23,9% 18,5% 0,0% 0,0% 0,0% 0,0% General and administrative 12,9% 18,5% 28,1% 17,9% 9,7% 9,2% Y-Y Growth 74,1% 74,1% 75,2,7% 74,1% 74,1% 74,1% 74	Minority interests	0	0	0	0	0	0
Ratios 5.4% -7.1% -5.3% 16.8% 40.4% 40.7% EBITDA margin on revenues 5.4% -7.1% -5.3% 16.8% 40.4% 40.7% EBIT margin on revenues -11.7% -15.3% -15.7% 5.4% 35.6% 21.6% Net margin on revenues -16.4% -10.7% -33.6% -10.0% 27.0% 14.9% Tax rate n.m. n.m. n.m. n.m. n.m. 10.0% 27.0% 10.0% Expenses as % of revenues 56.3% 69.9% 74.1% 65.3% 49.9% 50.0% Impairment loss 23.9% 18.5% 0.0% 0.0% 0.0% 0.0% General and administrative 12.9% 18.5% 28.1% 17.9% 9.7% 9.2% Y-Y Growth 7.4% 7.5% 58.9% 137.5% 14.8% Operating income n.m. n.m. n.m. n.m. n.m. n.m. n.m. n.m. 1463.7% -30.3%	Net income / loss	-10,689	-5,862	-8,686	-4,084	26,270	16,694
Ratios EBITDA margin on revenues 5.4% -7.1% -5.3% 16.8% 40.4% 40.7% EBIT margin on revenues -11.7% -15.3% -15.7% 5.4% 35.6% 21.6% Net margin on revenues -16.4% -10.7% -33.6% -10.0% 27.0% 14.9% Tax rate n.m. n.m. n.m. n.m. 10.0% 10.0% 10.0% Expenses as % of revenues 56.3% 69.9% 74.1% 65.3% 49.9% 50.0% Impairment loss 23.9% 18.5% 0.0% 0.0% 0.0% 0.0% General and administrative 12.9% 18.5% 28.1% 17.9% 9.7% 9.2% Y-Y Growth Revenues 67.0% -16.2% -52.7% 58.9% 137.5% 14.8% Operating income n.m. n.m. n.m. n.m. n.m. n.m. n.m. n.m. n.m. -52.7% 58.9% 137.5% -30.3%	Diluted EPS (in CAD)	-0.06	-0.03	-0.05	-0.02	0.13	0.08
EBITDA margin on revenues 5.4% -7.1% -5.3% 16.8% 40.4% 40.7% EBIT margin on revenues -11.7% -15.3% -15.7% 5.4% 35.6% 21.6% Net margin on revenues -16.4% -10.7% -33.6% -10.0% 27.0% 14.9% Tax rate n.m. n.m. n.m. n.m. n.m. n.m. 10.0%	EBITDA	3,545	-3,864	-1,363	6,872	39,361	45,582
EBIT margin on revenues -11.7% -15.3% -15.7% 5.4% 35.6% 21.6% Net margin on revenues -16.4% -10.7% -33.6% -10.0% 27.0% 14.9% Tax rate n.m. n.m. n.m. n.m. n.m. 10.0% 10.0% Expenses as % of revenues Production costs 56.3% 69.9% 74.1% 65.3% 49.9% 50.0% Impairment loss 23.9% 18.5% 0.0% 0.0% 0.0% 0.0% General and administrative 12.9% 18.5% 28.1% 17.9% 9.7% 9.2% Y-Y Growth Revenues 67.0% -16.2% -52.7% 58.9% 137.5% 14.8% Operating income n.m. n.m. n.m. n.m. n.m. n.m. n.m. n.m. n.m. 1.0.0% -30.3% -30.3%	Ratios						
Net margin on revenues -16.4% -10.7% -33.6% -10.0% 27.0% 14.9% Tax rate n.m. n.m. n.m. n.m. n.m. n.m. 10.0% 10.0% Expenses as % of revenues Expenses as % of revenues Production costs 56.3% 69.9% 74.1% 65.3% 49.9% 50.0% Impairment loss 23.9% 18.5% 0.0% 0.0% 0.0% 0.0% General and administrative 12.9% 18.5% 28.1% 17.9% 9.7% 9.2% Y-Y Growth Revenues 67.0% -16.2% -52.7% 58.9% 137.5% 14.8% Operating income n.m. 1463.7% -30.3%	EBITDA margin on revenues	5.4%	-7.1%	-5.3%	16.8%	40.4%	40.7%
Tax rate n.m. n.m. n.m. n.m. n.m. 10.0% 10.0% Expenses as % of revenues Froduction costs 56.3% 69.9% 74.1% 65.3% 49.9% 50.0% Impairment loss 23.9% 18.5% 0.0% 0.0% 0.0% 0.0% General and administrative 12.9% 18.5% 28.1% 17.9% 9.7% 9.2% Y-Y Growth Revenues 67.0% -16.2% -52.7% 58.9% 137.5% 14.8% Operating income n.m. n.m. n.m. n.m. n.m. 1.0.0%	EBIT margin on revenues	-11.7%	-15.3%	-15.7%	5.4%	35.6%	21.6%
Expenses as % of revenues Production costs 56.3% 69.9% 74.1% 65.3% 49.9% 50.0% Impairment loss 23.9% 18.5% 0.0% 0.0% 0.0% 0.0% General and administrative 12.9% 18.5% 28.1% 17.9% 9.7% 9.2% Y-Y Growth Revenues 67.0% -16.2% -52.7% 58.9% 137.5% 14.8% Operating income n.m. n.m. n.m. n.m. n.m. 1.0. </td <td>Net margin on revenues</td> <td>-16.4%</td> <td>-10.7%</td> <td>-33.6%</td> <td>-10.0%</td> <td>27.0%</td> <td>14.9%</td>	Net margin on revenues	-16.4%	-10.7%	-33.6%	-10.0%	27.0%	14.9%
Production costs 56.3% 69.9% 74.1% 65.3% 49.9% 50.0% Impairment loss 23.9% 18.5% 0.0% 0.0% 0.0% 0.0% General and administrative 12.9% 18.5% 28.1% 17.9% 9.7% 9.2% Y-Y Growth Revenues 67.0% -16.2% -52.7% 58.9% 137.5% 14.8% Operating income n.m. n.m. n.m. n.m. n.m. 1.0.	Tax rate	n.m.	n.m.	n.m.	n.m.	10.0%	10.0%
Impairment loss 23.9% 18.5% 0.0% 0.0% 0.0% 0.0% General and administrative 12.9% 18.5% 28.1% 17.9% 9.7% 9.2% Y-Y Growth Revenues 67.0% -16.2% -52.7% 58.9% 137.5% 14.8% Operating income n.m. n.m. n.m. n.m. 1.0. -30.3%	Expenses as % of revenues						
General and administrative 12.9% 18.5% 28.1% 17.9% 9.7% 9.2% Y-Y Growth 8 8 67.0% -16.2% -52.7% 58.9% 137.5% 14.8% Operating income n.m. n.m. n.m. n.m. 1463.7% -30.3%	Production costs	56.3%	69.9%	74.1%	65.3%	49.9%	50.0%
Y-Y Growth Revenues 67.0% -16.2% -52.7% 58.9% 137.5% 14.8% Operating income n.m. n.m. n.m. n.m. 1463.7% -30.3%	Impairment loss	23.9%	18.5%	0.0%	0.0%	0.0%	0.0%
Revenues 67.0% -16.2% -52.7% 58.9% 137.5% 14.8% Operating income n.m. n.m. n.m. n.m. 1463.7% -30.3%	General and administrative	12.9%	18.5%	28.1%	17.9%	9.7%	9.2%
Operating income n.m. n.m. n.m. n.m. 1463.7% -30.3%	Y-Y Growth						
	Revenues	67.0%	-16.2%	-52.7%	58.9%	137.5%	14.8%
Net income/ loss n.m. n.m. n.m. n.m36.5%	Operating income	n.m.	n.m.	n.m.	n.m.	1463.7%	-30.3%
	Net income/ loss	n.m.	n.m.	n.m.	n.m.	n.m.	-36.5%



BALANCE SHEET

All figures in CAD '000	2017/18A	2018/19A	2020E	2021E	2022E	2023E
Assets						
Current assets, total	24,469	10,339	86,416	15,769	68,189	85,683
Cash and cash equivalents	8,721	1,496	76,735	386	33,118	45,412
Trade receivables	2,674	858	1,033	1,641	3,897	4,475
Sales tax receivable	1,960	922	904	1,436	1,948	2,237
Inventories	9,698	6,542	7,228	11,486	27,278	31,322
Other current assets	1,416	521	516	820	1,948	2,237
Non-current assets, total	122,833	123,307	173,201	216,308	213,836	193,606
Mining assets	91,255	94,699	142,503	191,160	191,432	172,268
Tailings inventory	28,084	25,847	28,125	23,000	18,000	13,000
Deferred financing costs	0	1,247	0	0	0	0
Deferred tax assets	1,226	1,007	2,065	1,641	3,897	7,830
Restricted cash	1,245	0	0	0	0	0
Other assets	1,023	507	507	507	507	507
Total assets	147,302	133,646	259,617	232,077	282,025	279,289
Shareholders' equity & debt						
Current liabilities, total	53,091	50,683	64,543	41,511	68,968	69,745
Bank indebtedness	0	0	0	0	0	0
Accounts payable and accrued liabilities	25,673	16,920	16,780	20,511	38,968	44,745
Deferred revenue	1,542	0	0	0	0	0
Current portion of long term debt	25,876	33,763	47,763	21,000	30,000	25,000
Long-term liabilities, total	53,348	49,147	153,013	153,940	149,008	124,913
Long-term debt	24,455	15,736	117,000	117,000	110,965	86,824
Restoration and other provisions	28,893	33,397	36,000	36,919	37,994	38,033
Deferred tax liabilities	0	14	13	21	49	56
Minority interests	0	0	0	0	0	0
Shareholders' equity	40,863	33,816	42,061	36,626	64,049	84,630
Total consolidated equity and debt	147,302	133,646	259,617	232,077	282,025	279,289
Ratios						
Current ratio (x)	0.46	0.20	1.34	0.38	0.99	1.23
Quick ratio (x)	0.28	0.07	1.23	0.10	0.59	0.78
Net debt	40.37	48.00	88.03	137.61	107.85	66.41
Net gearing	98.8%	142.0%	209.3%	375.7%	168.4%	78.5%
Book value per share (in CAD)	0.23	0.19	0.20	0.18	0.31	0.40
Return on equity (ROE)	-24.7%	-15.7%	-22.9%	-10.4%	52.2%	22.5%



CASH FLOW STATEMENT

All figures in CAD '000	2017/18A	2018/19A	2020E	2021E	2022E	2023E
Net profit before minorities	-10,689	-5,233	-8,686	-4,084	26,270	16,694
Share-based compensation	897	68	0	0	0	0
Depreciation and amortisation	11,155	4,487	2,698	4,652	4,652	21,395
Interest expense	2,459	3,049	0	0	0	0
Income tax expenses	715	169	0	0	0	0
Impairment loss	0	10,112	0	0	0	0
Inventory impairment charges	15,604	0	0	0	0	0
Gain on debt settlement	0	-401	0	0	0	0
Gain on deconsolidation	0	-4,150	0	0	0	0
Unrealised foreign exchange (gain) loss	936	-1,522	0	0	0	0
Other non-cash items	-215	-14	0	0	0	0
Interest and taxes paid	-1,199	-1,285	0	0	0	0
Net change in non-cash working capital	-5,091	638	-2,009	3,153	3,769	5,578
Change in tailings inventory	-3,632	-1,708	0	0	0	0
Operating cash flow	10,940	4,210	-7,997	3,722	34,691	43,667
Additions to mining assets	-6,270	-9,206	-50,502	-53,308	-4,924	-2,231
Free cash flow	4,670	-4,996	-58,500	-49,587	29,767	41,436
Other investments	247	1,408	0	0	0	0
Investment cash flow	-6,023	-7,798	-50,502	-53,308	-4,924	-2,231
Debt financing, net	-5,295	-4,225	115,264	-26,763	2,965	-29,141
Equity financing	4,755	826	17,550	0	0	0
Other financing	0	-157	0	0	0	0
Financing cash flow	-540	-3,556	132,814	-26,763	2,965	-29,141
FOREX & other effects	-129	-81	0	0	0	0
Net cash flows	4,248	-7,225	74,314	-76,350	32,732	12,295
Cash, start of the year	4,473	8,721	1,496	76,735	386	33,118
Cash, end of the year	8,721	1,496	76,735	386	33,118	45,412
EBITDA/share (in CAD)	0.03	-0.02	-0.01	0.03	0.19	0.22
Y-Y Growth						
Operating cash flow	n.m.	-61.5%	n.m.	n.m.	832.1%	25.9%
Free cash flow	n.m.	n.m.	n.m.	n.m.	n.m.	39.2%
EBITDA/share	n.m.	n.m.	n.m.	n.m.	472.8%	15.8%



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ASSET VALUATION SYSTEM

First Berlin's system for asset valuation is divided into an asset recommendation and a risk assessment.

ASSET RECOMMENDATION

The recommendations determined in accordance with the share price trend anticipated by First Berlin in the respectively indicated investment period are as follows:

Category Current market capitalisation (in €)		1	2
		0 - 2 billion	> 2 billion
Strong Buy ¹	An expected favourable price trend of:	> 50%	> 30%
Buy	An expected favourable price trend of:	> 25%	> 15%
Add	An expected favourable price trend of:	0% to 25%	0% to 15%
Reduce	An expected negative price trend of:	0% to -15%	0% to -10%
Sell	An expected negative price trend of:	< -15%	< -10%

¹ The expected price trend is in combination with sizable confidence in the quality and forecast security of management.

Our recommendation system places each company into one of two market capitalisation categories. Category 1 companies have a market capitalisation of $\le 0 - \le 2$ billion, and Category 2 companies have a market capitalisation of $> \le 2$ billion. The expected return thresholds underlying our recommendation system are lower for Category 2 companies than for Category 1 companies. This reflects the generally lower level of risk associated with higher market capitalisation companies.

RISK ASSESSMENT

The First Berlin categories for risk assessment are low, average, high and speculative. They are determined by ten factors: Corporate governance, quality of earnings, management strength, balance sheet and financial risk, competitive position, standard of financial disclosure, regulatory and political uncertainty, strength of brandname, market capitalisation and free float. These risk factors are incorporated into the First Berlin valuation models and are thus included in the target prices. First Berlin customers may request the models.

RECOMMENDATION & PRICE TARGET HISTORY

Report No.:	Date of publication	Previous day closing price	Recommendation	Price target
Initial Report	6 June 2017	CAD0.25	Buy	CAD0.60
27	\downarrow	↓	↓	↓
8	16 May 2019	CAD1.02	Buy	CAD1.35
9	19 August 2019	CAD0.80	Buy	CAD1.35
10	25 November 2019	CAD0.62	Buy	CAD1.35
11	3 February 2020	CAD0.53	Buy	CAD1.45
12	10 June 2020	CAD0.55	Buy	CAD1.35
13	Today	CAD0.72	Buy	CAD1.45

INVESTMENT HORIZON

Unless otherwise stated in the financial analysis, the ratings refer to an investment period of twelve months.

UPDATES

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Legally required information regarding

- key sources of information in the preparation of this research report
- valuation methods and principles
- sensitivity of valuation parameters

can be accessed through the following internet link: https://firstberlin.com/disclaimer-english-link/

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