

HUN MINING Investment Plc.

Investment Plan 2012-2017

Main Items of Investment in Rudabánya



Investment Unit	Million EUR
Baritmix Processing Facilities with 1:1 scale small volume production/pilot plant, product development and research center	50
Mineral Exploration and research, Mining Potential Assesment / with Accredited Documentation	4
Opening the First Mining Pit – all docuemntations, authorizations, technology prcurement, implementation and effect studies included	15
Procurement, Construction and Implementation of a complex mineral processing technology base don the experience obtained in BARITMX processing unit	35
Extension of mining operations; annual capacity 1.000.000. mt/ a raw material processing/mining	55
Extension of mining operations; annual capacity 2.000.000. mt/ a raw material processing/mining	55
Total Investment until 2017	214
note: the figures represent fully authorized, consructed, technically installed facilities with	verified trial runs
Operation costs of the productions in the first two years will require financing. Some units may reach ROI state in the mean time.	10
Some further financing may be needed to develop infrastructure in the region, like roads, rail transport, solcial facilities	4
Total	228

HUN MINING Vision, Mission and Strategic Directions

HUN MINING

A significant European supplier of mineral based mine products, speciality processed mineral products and construction materials

Exploration and Mining of Ores and Minerals

Manufacturing Mineral Based Speciality Products for Advanced Applications

Advanced Construction Materials Manufacturer and Supplier

Advanced
Construction
Materials
Manufacturer

Process Old
Mining
Residues –
Produce High
Added Value
Products

Open Pit
Mines
opened for
Barite, and
Ores for Fe,
Cu, Pb Zn and
Ag

Low Waste Integrated Production Focused core competencies and standardised products for B2B Market

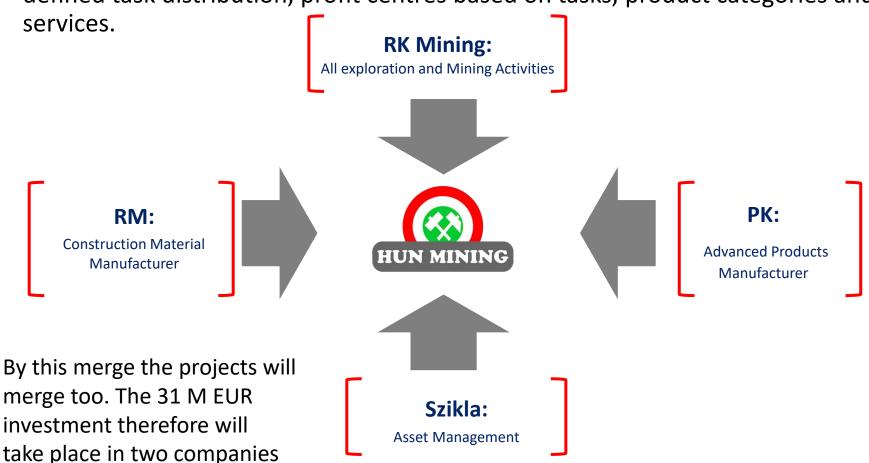
Develop new products

R&D

Department

The affiliates of HUN Mining will be merged into a more compact structure the main production elements of which will be Rudagipsz-Mix (later HUN MINING RM) and PÓLUS KINCS (later HUN PK)

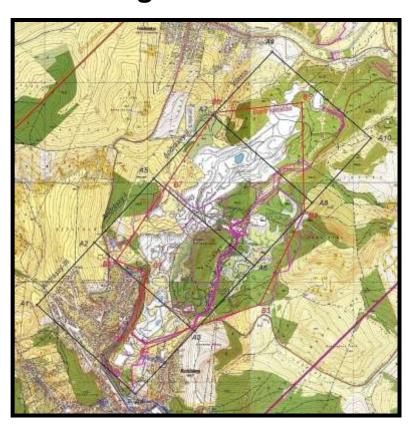
The new integrated structure emphasises functions, transparent operations, defined task distribution, profit centres based on tasks, product categories and services



Slide 4

HUN MINING has got two main divisions

Ore Mining Related Activities



Mineal Processing Activities



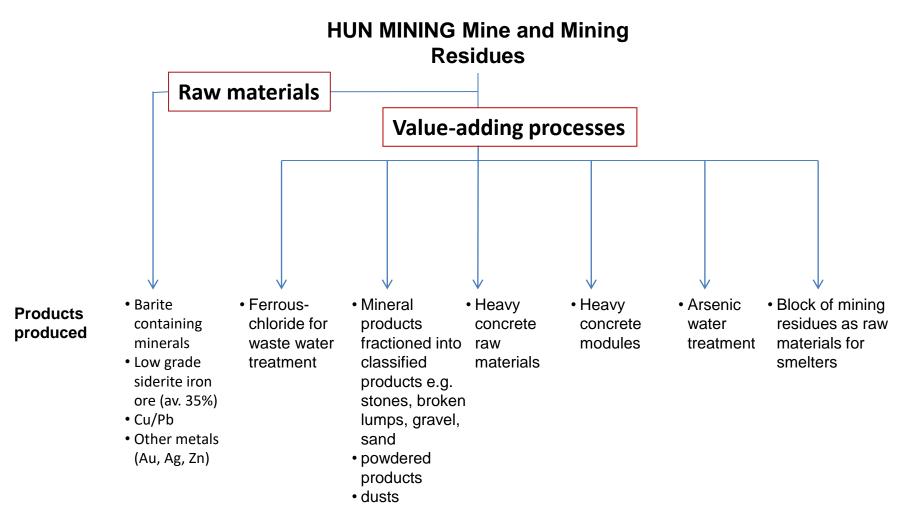
HUN Mining – Mineral Processing Investment





Products to be produced by HUN MINING





Products to be produced by HUN MINING in its Mineral Processing Plants



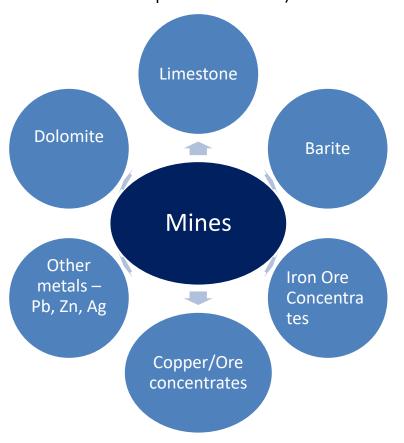
Planned products and production volume for 13-14 years of reprocessing the residues



NB: The production volumes were estimated as 80% of the total known raw material in the residues. The real production will likely be higher.

Planned products from the mines

(production volumes to be defined after exploration phase is finalised)



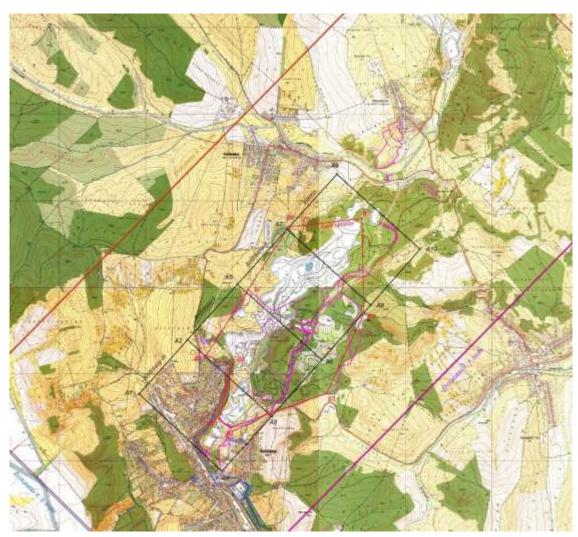
Bartimix processing facilities / Mineral Processing



Units of the facilities	Million EUR
Internal material forwarding systems:	3
Dry vibration separation units – to produce 3 main fractions with adjustable franction settings	3
Stamping, shattering and milling plants	3
Wet separation plant, with multiple level sparators and a grvity settler unit at the end of the line	2
Specilaty separation units: magnetic, specific gravity, flotation units for specilty products	3
Chemical processing facilities: chemical leaching with liquid phase raw material and product storgae failities, packaging units, main reactors	16
Electrolysis Electro Winning Units fro specilaty products and electrode quality metal production,	4
Solid phase mineral processing facilities with mixing and blending plant, confectioning units and packaging units	4
Baritmix Processing Factory with all units fro all the planned product groups planned – all included	38
Integrated quality assurance, product development facilities with research laboratories, special equipment and a pilot plant units for production tests and production of small volume products	12

A HUN MINING – Mining Operations





RK MINING is an affiliate of HUN MINING Plc. Ownership: 100%

RK has got two exploration licenses:

License 1.

A 30 km2 site surrounding the old Abadoned mining sites and their planned mine development territories.

License 2.
Further 3 blocks of 30 km2
Surrounding the 30 km2 territory of License 1.

Advantege: The licenses are valid and ongoing. They do not fall under the effect of new mining law in Hungary which binds all mining activities to concessions.

There is an approved exploration plan for the Territories of License 1.

Target: Assessment Mining Potential As per JORC standards or simlar

Investment: ca. 3 MIO EUR
Planned accomplishemnt: 2 years (1,5 year).
Project value with JORC certificate:
40 – 50 MIO EUR.

Known and Predicted Mineral Reserves I.



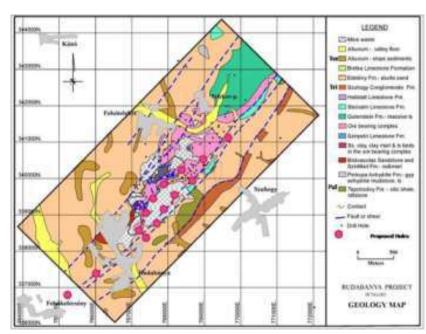
- The mine closing documents based on archive data the following mineral reserves are cadastered and documented:
- Ankerite: 1408.4 kt, 20.41 Fe%, 1.08 Mn%
- Brown Iron Ore: 756.68 kt, 33.48 Fe%, 1.39 Mn%
- Carbonated **Sparry** Iron Ore: 12035 kt, 24.45 Fe%, 1.29 Mn%
- Silicous Sparry Iron Ore: 15114 kt, 25.07 Fe%, 1.19 Mn%, 14.42 SiO₂%, 5.89 BaSO₄%
- Iron Ore Total: 29314.16 kt
- Copper Ore in Chalcopiritic forms: 1285 kt, 0.57 Cu%, 17.94 Fe%, 6.89 BaSO₄%
- Polymetallic Lead Ore: 206 kt, 1.51 Pb%, 0.05 Cu%, 159.81 Ag g/t
- Barite Bodies: 178 kt, 54.55 BaSO₄%
- The total summed value of these : 1,2 1,8 Billion EUR as known reserves.

Known and Predicted Mineral Reserves II.



- After closing of the mines extensive research and exploration work was conducted on the sites. Based on the preliminary results much larger volume and more valuable reserves are predicted.
- To prove the predictions HUN MINING approved an exploration program and predicted that the results should be evaluated by independent expert auditors with the assignment to produce the assessment documentation of the mining potentials of the project as per internationally acknoledged standards.
- The preliminary results indicate significant copper, zink, lead silver ore and barite reserves besides the well documented iron ore fortune.

The preliminary estimations predict reserves of 5,5 – 6 Billion EUR value.



Known and Predicted Mineral Reserves III.



- For the geological nature of Rudabánya region is rather complex and the mixed state of ore bodies and mineral types the economies of a complex mining and mineral processing technology are better than those of a monoculture, focused one.
- In the future mining and mineral processing operations high added value smelter ready ore concentrates and high graded metallic products will be produced as a result of the technology to be established and implemented.
- The mining project is planned to be realized in three phases over the 30 km2 territory of License 1. that sums up about 228 million EUR investment volume including all mineral processing facilities. The mining operation is planned for 25 30 years while about 5,5 6 billion EUR value can be created according to the estimations of today.

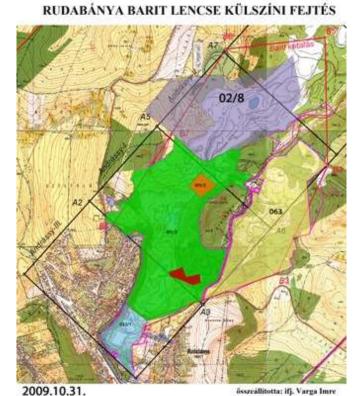


Starting Mining Operations



 Based on archive data HUN MINING prepared a summary – an exploration closing report necessary for opening a mining plot in April 2011. As the first phase a small to middel sized mining operation could be started for Barite and copper ore concentrate as a by-product.

 It is worth though to postpone starting of mining operations until the data from novel exploration works are achieved and evaluated. Based on the new data more economic mining technology and mineral processing facilities can be established.



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Ways of Investment in HUN Mining Affiliates

Professional or financial Investors are being sought for who can supply necessary financing to the investment projects

The possible forms of co-operation:



- Share holder of HUN Mining by private placement,
- Direct Investment in Affiliates gaining partial ownership over individual companies
- Forming a JV between GM Affiliated companies and third party
- Providing long term loan: 10 years running time, 4% interest on EUR basis
- Providing rolling credit line for 10 years, on EURIBOR + 2% basis for called part and EURIBOR for unused

Each way has its own risks and securities structure

We are open to further discussion

Appendix 1. Cash Flow Plan 2012 - 2022

Cash Flow Plan of HUN Mining Nyrt. Rudabánya Open Pit Mining Operations and Mineral Processing for 2012-2022

Running time of loan

10 Yrs

1st yr is odd

1 st yr w/o interest

Interest rate 6%/ annum

Currecy rate 294 HUF/EUR

Investment Items	Tsnd HUF	EUR
Exploration Prgram, JORC Documentation, Planning,	4.470.000.000	4 000 000
Authorization	1 176 000 000	4 000 000
Purchasing of Mining Land	294 000 000	1 000 000
Mine preparation works, earth work, surface cleaning	1 176 000 000	4 000 000
Open Pit MINING Technology, Logisctics	29 400 000 000	100 000 000
Clasifier Units, Faciltities, Franctionators	3 822 000 000	13 000 000
Transport Units	1 176 000 000	4 000 000
Ferous-Chloride Plant Construction (Mineral Processing with		
Chemical Leaching)	7 791 000 000	26 500 000
Piloting, Pilot Runs	882 000 000	3 000 000
Buldings	588 000 000	2 000 000
Dust free storage facilities	588 000 000	2 000 000
Crushing and Milling Plant	1 470 000 000	5 000 000
Purchasing Hasit Site and its Development	735 000 000	2 500 000
Running Cost Financing	882 000 000	3 000 000
Financial reserves	8 820 000 000	30 000 000
Investment Total	58 800 000 000	200 000 000

Products		2013-2014	2014-2025	Unit Price, EUR/Mt
Baritmix Processing / Mineral Processing				
Ferroflock R Ferous Chloride		30 000	50 000	125
BARITE		20 000	20 000	40
Hematit e		16 000	16 000	70
Magnetite		16 000	16 000	70
Baritmix Heavy Concrete Additive		50 000	50 000	80
Dolomite		25 000	35 000	5
HASIT Products				
Gypsum + blended construction material products		30 000	60 000	70
Mining Products	100%	1 000 000	2 000 000	
Iron Ore	25	250 000	500 000	76,38
Copper Ore Concentrate	7	70 000	140 000	79,29
Barit e	3	30 000	60 000	30,10
Zink Ore	5	50 000	100 000	15,80
Lead Ore	2	20 000	40 000	10,80
Barren as Road Construction or Fundation Material	58	580 000	1 160 000	3,00

HUN Mining Nyrt. Basic Data

Annum	2 012	2 013	2 014	2 015	2 016	2 017	2 018	2 019	2 020	2 021	2 022
Turnover											
Barite		265 497	265 497	530 994	530 994	530 994	530 994	530 994	530 994	530 994	530 994
Iron ore		5 614 154	5 614 154	11 228 308	11 228 308	11 228 308	11 228 308	11 228 308	11 228 308	11 228 308	11 228 308
Copper Ore		1 631 700	1 631 700	3 263 400	3 263 400	3 263 400	3 263 400	3 263 400	3 263 400	3 263 400	3 263 400
Dolomite		36 750	36 750	36 750	36 750	36 750	36 750	36 750	36 750	36 750	36 750
Barren		255 780	511 560	1 023 120	1 023 120	1 023 120	1 023 120	1 023 120	1 023 120	1 023 120	1 023 120
Ferroflock - R (Ferous Chloride)		1 102 500	1 102 500	1 837 500	1 837 500	1 837 500	1 837 500	1 837 500	1 837 500	1 837 500	1 837 500
Envirosol		290 000	300 000	350 000	350 000	350 000	350 000	350 000	350 000	350 000	350 000
Baritmix chemically treated		100 000	120 000	120 000	120 000	120 000	120 000	120 000	120 000	120 000	120 000
Gypsum Grades + Blended Construction Material Products		617 400	617 400	1 234 800	1 234 800	1 234 800	1 234 800	1 234 800	1 234 800	1 234 800	1 234 800
Baritmix sales	225 000										
Total Turnover in tsnd HUF	225 000	9 913 781	10 199 561	19 624 872	19 624 872	19 624 872	19 624 872	19 624 872	19 624 872	19 624 872	19 624 872

	1,00	2,00	3,00	4,00	5,00	6,00	7,00	8,00	9,00	10,00	11,00
Cash Flow Plan	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Turnover	225 000	9 913 781	10 199 561	19 624 872	19 624 872	19 624 872	19 624 872	19 624 872	19 624 872	19 624 872	19 624 872
Material Costs	127 750	2 011 240	2 460 154	3 484 901	3 514 182	3 586 264	3 661 261	3 739 292	3 820 480	3 904 952	3 992 841
Pesonal Costs	77 365	1 454 674	1 512 861	1 573 375	1 636 310	1 686 880	1 739 027	1 792 799	1 848 249	1 905 428	1 964 393
Othr Costs	19 500	208 796	213 052	402 257	402 983	403 738	404 524	405 341	406 191	407 075	407 994
Depreciation		5 880 000	5 880 000	5 880 000	5 880 000	5 880 000	5 880 000	5 880 000	5 880 000	5 880 000	5 880 000
EBIT	385	359 071	133 494	8 284 339	8 191 397	8 067 990	7 940 060	7 807 440	7 669 953	7 527 418	7 379 645
Interest Rate of Loans	0	3 263 400	2 970 000	2 610 000	2 250 000	1 890 000	1 530 000	1 170 000	810 000	450 000	90 000
Costs of Financial Transactions	0	-3 263 400	-2 970 000	-2 610 000	-2 250 000	-1 890 000	-1 530 000	-1 170 000	-810 000	-450 000	-90 000
Profit Before TAX	385	-2 904 329	-2 836 506	5 674 339	5 941 397	6 177 990	6 410 060	6 637 440	6 859 953	7 077 418	7 289 645
TAX		-551 822	-538 936	1 078 124	1 128 865	1 173 818	1 217 911	1 261 114	1 303 391	1 344 709	1 385 033
Profit TAX deducted	385	-2 352 506	-2 297 570	4 596 215	4 812 532	5 004 172	5 192 149	5 376 326	5 556 562	5 732 708	5 904 612
Devidends	0	0	0	0	700 000	700 000	700 000	700 000	700 000	700 000	700 000
Bprofit per Balance	385	-2 352 506	-2 297 570	4 596 215	4 112 532	4 304 172	4 492 149	4 676 326	4 856 562	5 032 708	5 204 612

	58 800 000	54 000 000	48 600 000	43 200 000	37 800 000	32 400 000	27 000 000	21 600 000	16 200 000	10 800 000	5 400 000
Loan in tsnd HUF	000	000	000	000	000	000	000	000	000	000	000
Loan in EUR at the end of period	200 000 000	200 000 000	180 000 000	160 000 000	140 000 000	120 000 000	100 000 000	80 000 000	60 000 000	40 000 000	20 000 000
Interest Rate EUR Based	6%	6%	6%	6%	6%	6%	6%	6%	6%	6%	6%
microst rate Bott Based	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
Rate HUF/EUR	294	294	300	300	300	300	300	300	300	300	300
Payback of Loan in tsnd HUF		5 880 000	5 880 000	5 880 000	5 880 000	5 880 000	5 880 000	5 880 000	5 880 000	5 880 000	5 880 000
Payback of Loan in EUR		20 000 000	20 000 000	20 000 000	20 000 000	20 000 000	20 000 000	20 000 000	20 000 000	20 000 000	20 000 000
Remaining Loan in EUR		180 000 000	160 000 000	140 000 000	120 000 000	100 000 000	80 000 000	60 000 000	40 000 000	20 000 000	0
Depr + Div	0	5 880 000	5 880 000	5 880 000	6 580 000	6 580 000	6 580 000	6 580 000	6 580 000	6 580 000	6 580 000