

# FOUR SEASONS

RARE EARTH & PRECIOUS METAL



## RARE EARTH

- ❖ SCANDIUM
- ❖ LANTHAN
- ❖ YTTRIUM
- ❖ NEODYM
- ❖ EUROPIUM
- ❖ PRASOEDYM
- ❖ PROMETHIUM
- ❖ DYSPROSIUM
- ❖ HOLMIUM
- ❖ YTTERBIUM

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**Location:**

Site 30 km from Campo Grande MS Brazil, an asphalt road on both sides exist with three-phase Power supply.

**Documents:**

Registro de pesquisa ... this is the first tab as necessary step in investigations, enabling to apply for a mining permit for the period up to dismantling permit about 6-12 months, financial Requirements estimate ~USD 600-800.000.

**Size:**

1500 ha...94 of them are visible on the surface ... Schlot from the volcano has already been pinpointed.

**Analysis**

0.6% neodymium, the other items in smaller concentrations

**Business opportunities**

1st Sale of the register in its raw state: 20 million USD

2<sup>nd</sup> JV Joint venture: 5 million USD investments to the investor 30% and 70% to the seller.

Form of cooperation is to define.

**Reduction**

Supremely simple, the material can be transported in surface mining.

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RARE EARTH & PRECIOUS METAL



PRECIOUS METALS

Further there are also the following precious metal items available...

- ❖ DIAMOND SAND
- ❖ GOLD
- ❖ PALADIUM
- ❖ SILVER
- ❖ KIMBERLITE (DIAMOND)
- ❖ COPPER
- ❖ LITHIUM

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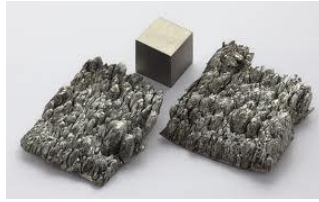
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## PHOTO GALERIA ~ Rare Earth & Precious Metal

### ❖ SCANDIUM



### ❖ LANTHAN



### ❖ YTTRIUM



### ❖ NEODYM



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## RARE EARTH & PRECIOUS METAL

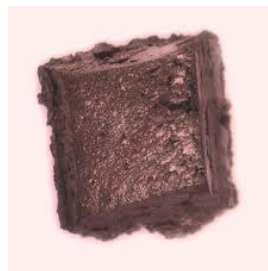
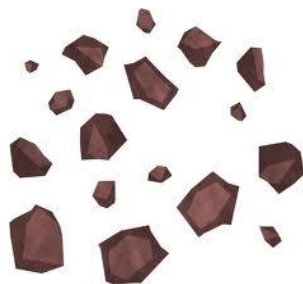
### ❖ EUROPIUM



### ❖ PRASEODYM



### ❖ PROMETHIUM



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# FOUR SEASONS

## ❖ DYSPROSIUM



## ❖ HOLMIUM



## ❖ YTTERBIUM



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# FOUR SEASONS

## RARE EARTH & PRECIOUS METAL

### ❖ KIMBERLITE (DIAMOND)



### ❖ PALADIUM (Pd)



### ❖ LITHIUM (Li)



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## GLOSSARY

❖ **DYSPROSIUM [Dy]**

Dysprosium is a chemical element with the element symbol Dy and atomic number of the 66th In the periodic table it is in the group of lanthanides and is thus also to the metals of the rare earths.

❖ **EUROPIUM [Eu]**

Europium is a chemical element with the element symbol Eu and atomic number of the 63rd In the periodic table it is in the group of lanthanides and is thus also to the metals of the rare earths. Europium, americium, besides the only element named after a continent.

❖ **HOLMIUM [Ho]**

Holmium is a chemical element with the element symbol Ho and atomic number of the 67th In the periodic table it is in the group of lanthanides and is thus also to the metals of the rare earths.

❖ **KIMBERLITE [Kim]**

Kimberlitic are primary deposits of diamonds, which sucked through. Pipes are very deep to the vertical volcanic events to reach the earth's surface. They are found in South Africa, Brazil, Australia, and Sierra Leone and in Siberia.

❖ **LANTHAN [La]**

Lanthanum is a chemical element with the element symbol La and atomic number 57 It is one of the transition metals and the rare earth metals in the periodic table it is in the 6th Period and the third Subgroup (group 3) or scandium. Usually it is counted as one of the lanthanides, even if the f-shell of the element vacant.

❖ **LITHIUM (Li)**

Lithium is a chemical element with symbol Li and atomic number 3 The name of the element lithium was because it was discovered in contrast to sodium and potassium in the rock. It is the alkali metal of the second period of the periodic table of elements. Lithium is a light metal and has the lowest density of fixed elements under standard conditions. In elemental form, it reacts like all alkali metals already in contact with the skin and leads to severe chemical burns. Its compounds are harmful, but to a much lesser extent than beryllium, the period of his neighbors.

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## RARE EARTH & PRECIOUS METAL

### ❖ NEODYM [Nd]

Neodymium is a chemical element with the element symbol Nd and atomic number 60. In the periodic table it is in the group of lanthanides and is thus also to the metals of the rare earths. The metal is mainly used for strong magnets.

### ❖ PALADIUM [Pd]

Palladium is a chemical element with the element symbol Pd and atomic number of the 46th. The rare silver-white transition metal is one of the platinum metals in the periodic table it is in the 5th Period and the 10th Group (formerly part of the group 8) or nickel group. It is similar in chemical

### ❖ PRASEODYM [Pr]

Praseodymium is a chemical element with the element symbol Pr and atomic number 59. In the periodic table it is in the group of lanthanides and is thus also to the metals of the rare earths. From the green color of its compounds is also the name: the Greek word means prásinos "leek", didymos "double" or "twin".

### ❖ PROMETHIUM [Pm]

Promethium is a chemical element with the element symbol Pm and atomic number 61. In the periodic table it is in the group of lanthanides and is thus also to the metals of the rare earths.

All Promethium isotopes are radioactive, which means that all atomic nuclei, which contain 61 protons, are unstable and decompose. Technetium and promethium the lighter (43) are the only elements with atomic numbers smaller than lead (82) that has this property.

### ❖ SCANDIUM [Sc]

Scandium is a chemical element with the symbol Sc and atomic number of the 21st. In the periodic table it is in the third Subgroup (group 3) or scandium. The soft, silvery-white element is the first of the transition metals and rare earth metals also attributed.

### ❖ YTTRIUM [Y]

Yttrium is a chemical element with the element symbol Y and atomic number 39th. It is one of the transition metals and the rare earth metals, in the periodic table it is in the 5th Period and the third Subgroup (group 3) or scandium. Yttrium is named after the first discovery site, the pit Ytterbium near Stockholm, as well as ytterbium, terbium and erbium.

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Any interest party are warmest welcome to undertake site visit at our Brazil mine enabling to take a first glance and samples as much as required our Pro-Geologies will be pleased to guide you.

For further detailed information please contact our CEO Mr. Michael directly.

Again, many thanks for visiting our webiste and eventually to come together.

We hope being of assistance for the moment we look forward to hearing from you soon and towards a mutually beneficial relationship.

Yours faithfully

Michael M.Beise CEO

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