

HVP, a US/Vietnam Joint Venture of **ParaTech Global** and **Hoang Viet**

Round 1 Financing – Working Capital

"GREEN TECHNOLOGY"

All Red Mud may be Recycled

Refinery Profitability Increases

Alumina Refining Becomes Fully Sustainable

This is a "first mover" investment opportunity and setup for world growth.

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Red Mud Stacks – Some Examples



Hungary - 35mm tons. 1mm spilled in 2010



Germany – 40mm tons: unlined/unreinforced

ParaTech Global & Hoang Viet Joint Venture: **HVP**

WORKING CAPITAL FINANCE – Round 1

The Project: ParaTech Global, a US company, <https://paratechglobal.com/> and Hoang Viet, a Vietnamese company, have formed a 50/50 joint venture, Hoang Viet ParaTech (HVP), in Vietnam. HVP is raising \$10.0mm in working capital to finance set up for the construction of two, 1.4mtpy Red Mud Stabilization Plants (RMSP) at the first two Vietnamese alumina refineries, using ParaTech's patented and successfully demonstrated technology.

The Investment: HVP is offering equity/convertible debt for this \$10mm investment. Returns on this investment are expected to exceed 20%, with free cash flow above \$10mm. All HVP and ParaTech investors will be offered an opportunity to invest in planned follow-on world-wide business growth.

Investors/lenders will be paid an attractive return and be taken out with the first operating year's free cash flow. Any debt may be converted to equity. ParaTech and Hoang Viet have, thus far, spent \$1.6mm to achieve proof of concept.

Customer: Vinacomin, <http://www.vinacomin.vn/>, a Vietnam Government owned company. HVP has received their letter of intent to negotiate two 20-year contracts for an RMSP at each of their first two refineries.

Red Mud: is a highly toxic waste, with a pH exceeding 11.5, disposed by alumina refineries. The RMSPs will process and recycle all 1.4 million tons of Red Mud created every year at each of the two Vietnamese alumina refineries.

The \$10.mm proceeds of this round will be used to:

First, finish an Environmental Impact Study (EIS) for the Government of Vietnam, to initiate contract talks.

Second, complete a Bankable Feasibility Study (BFS) as part of a World Bank IFC mission statement supportive application for \$200mm in debt funding to construct two RMSPs at these first two alumina refineries in Vietnam.

Third, complete an upgrade to ParaTech's existing mobile 1/10 scale pilot plant to demonstrate the full process in Vietnam and attract new customers.

Timing: Year 1 - Complete the three projects; Year 2 & 3 - Construct the two RMSPs; Year 4 – Operations begin at the two plants creating free cash flow for distribution.

The Red Mud Problem: The industry's disposal method, since 1893, has been to pump the Red Mud into unlined/uncovered earthen man-made ponds, close to the refinery. Each ordinarily has a capacity of 20 plus million tons, for disposal in perpetuity. This mode has been followed at each of the 100 open/closed alumina refineries around the world.

Red Mud disposed tonnage now exceeds 2.5 billion tons worldwide and is increasing by 80 million tons each year. Red Mud contains sodium hydroxide, a caustic with a pH from 11.5 to 13. Any exposure to Red Mud is life threatening. In 2010, ten people were killed by pH 13 Red Mud in Hungary, when a pond retaining wall breached 1.0mm tons of Red Mud into a nearby village.

Due to this and other Red Mud disasters, balance sheet contingent environmental liability has increased, insurance costs have grown and with greater environmental regulation worldwide, alumina plant efficiency has declined, ceteris paribus. The alumina industry is seeking a feasible solution to this problem.

**PARATECH GLOBAL –
Previous Financing Rounds**

Round. 1 - Series "A" Capital Raise

Valuation = \$1.66 per unit. Use of Funds:

1. Investment projects/subsidiaries -	\$270,700
2. Pilot Plant --	\$300,000
3. R&D, Grants & Adm.--	\$304,300
3. Patent Exp. --	\$200,000

Total - \$1,075,000

Round. 2 - Series "B" Capital Raise

Valuation = \$15.00 per unit

1. Vietnam - project development --	\$ 150,000
2. Patent Expense --	\$ 100,000
3. Consultants --	\$ 250,000

Total - \$ 500,000

HOANG VIET PARATECH - (HVP)

Round 1 - Series "A" Current Capital Raise

HVP is Hoang Viet ParaTech, a joint venture of ParaTech Global and Hoang Viet in Vietnam.

Round. 1 - Series "A" Working Capital Raise

[Working Capital to be spent over 24 months]

Use of Funds: **\$10.0mm**

A. Projects: \$5.3mm

1. Environmental Impact Study - Finish	\$1.0mm
2. Bankable Feasibility Study	\$2.0mm
. Pilot Plant Upgrade	\$2.3mm

B. Prof. Services, Travel Admin. \$3.65mm

1. Payroll	\$1.3mm
2. Consultants	\$0.6mm
3. Travel	\$0.5mm
4. Legal	\$0.5mm
5. Contingency	\$0.75mm

C. Research Verification. & Fees \$1.05mm

1. Incorporations/Permits/Certifications	\$0.3mm
2. Verification Testing	\$0.45mm
3. Implementation Research	\$0.3mm

The Red Mud Solution: The ParaTech patented and 3rd party verified process creates Stabilized Red Mud (SBR), with a neutral pH. It may be recycled as an outperforming ingredient in building products and as an environmental filtration medium. Also, much of the alumina and sodium hydroxide previously lost in Red Mud disposal ponds is recovered. The RMSP's recovery, return and recycling process increases refinery profitability as balance sheet disaster liability plummets, recovered alumina and sodium hydroxide are recycled/sold by the refinery and Red Mud disposal pond construction and maintenance come to a halt. Previously planned and used Red Mud disposal pond acreage then becomes available for alternative use, as such land will no longer be lost in perpetuity. Finally, the alumina refinery becomes "fully sustainable", with no remaining waste. There is no commercially competitive nor economically viable processing/recycling alternative anywhere in the world.

Process Verification: The full ParaTech patented process has been verified by SGS, see <http://www.sgs.com/>. Successful paver brick manufacture and performance has also received 3rd party verification. (See ParaTech website.)

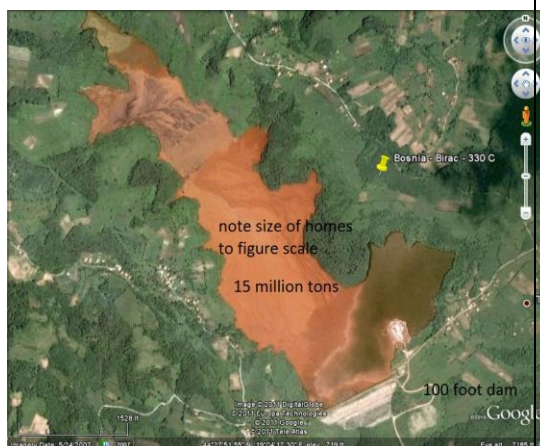
Market Growth and Customer Cost: The patented ParaTech Process covers 18 countries, 75 alumina refineries, 960 million tons of existing Red Mud and 80 million tons of new Red Mud each year. Up to 5 RMSPs can be built during every 2-year period by contracting large engineering companies. HVP's net cost of processing to any alumina refinery is only a few dollars per ton because disposal pond construction/maintenance costs and long term contingent environmental liabilities are now saved. Recovered Sodium Hydroxide and Alumina, previously lost, will now be returned to the alumina refinery customer to lower cost and increase revenue.

Need for the ParaTech Global Patented Process is compelling: The pressure to act is intensifying. The ParaTech solution virtually pays for itself. Red Mud ponds cause growing pollution of ambient soil, ground water and air as virtually all such ponds are now unlined. The cost to service disposal ponds is increasing. Red Mud disasters have increased both contingent environmental liability on the balance sheet and insurance costs. Community loss of income is growing as productive land is being displaced by Red Mud ponds. In Vietnam, the land area now slated to become Red Mud ponds will displace land being used for coffee/tea cultivation, an important export. The EU is pressing legislation for members to remediate all their Red Mud.

Direct Benefits Accrue to Alumina Refineries: Cost reduction is driven by the elimination of Red Mud pond construction and management, reuse of Sodium Hydroxide and lower insurance cost. Revenue growth is driven by the sale of recovered alumina. Profitability increases in combination with the above and reduced long term contingent environmental liability on the Balance Sheet.

Alumina Refining becomes "Fully Sustainable": Alumina refinery customers become fully sustainable, with no remaining waste for the 1st time in the 130-year history of this industry, relieving pressure on refinery owners to clean up.

Bottom Line: HVP has a waiting customer, Vinacomin, the tested ParaTech process works, see SGS, a 20-year service contract provides a low net cost to the alumina refinery customer and this \$10mm in working capital paves the way to put the company into a revenue earning position. A detailed Use of Funds statement is available.



Bosnia – 15mm tons. The dam is 100' tall and made of unreinforced clay.