

# Minerals Processing Solutions

Iron Ore  
Sweden

**Project type:** Greenfield

**Customer:** Northland Resources

**Plant:** Kaunisvaara, Sweden

**Ore:** Iron Ore

**Scope of supply:** EPC including:  
Project management, basic and detailed engineering.  
Site management & Site supervision, erection, commissioning & training.  
Feed: 12 million ton / year.  
761 MTPH two lines (Tapuli and Sahvaara).  
Operating hours 8000.  
Product: 4 million ton 69 % conc. / year.

## Equipment & process

Primary crushers, MK54-75 (1)  
Apron feeders (13)  
Vibrating feeders (2)  
SAG mills, 34" (2)  
Vertimills, VTM 3000 (6)  
Multislope screens (4)  
Grizzly screens (2)  
Magnetic separators (40 drums)  
Screw classifiers (4)  
Slurry pumps  
Press filter, VPA 2040-54 (6)  
Conveyors, Cyclones, Agitators,  
Thickeners HDT, Air compressors

Big bag handling system, Steelworks and plate works, Wear plate, rubber, Piping, Electrical, instrumentation & automation.  
Life Cycle Service (LCS) 6 year



**Benefits:** The benefit to the customer was working with only one company, Metso, from testwork and flowsheet design to final plant design and supply. Limited interfaces and only one contract. Faster delivery, consistent design, overall process plant performance responsibility.

**Year:** Line 1, Q4 2012  
Line 2, Q3 2014

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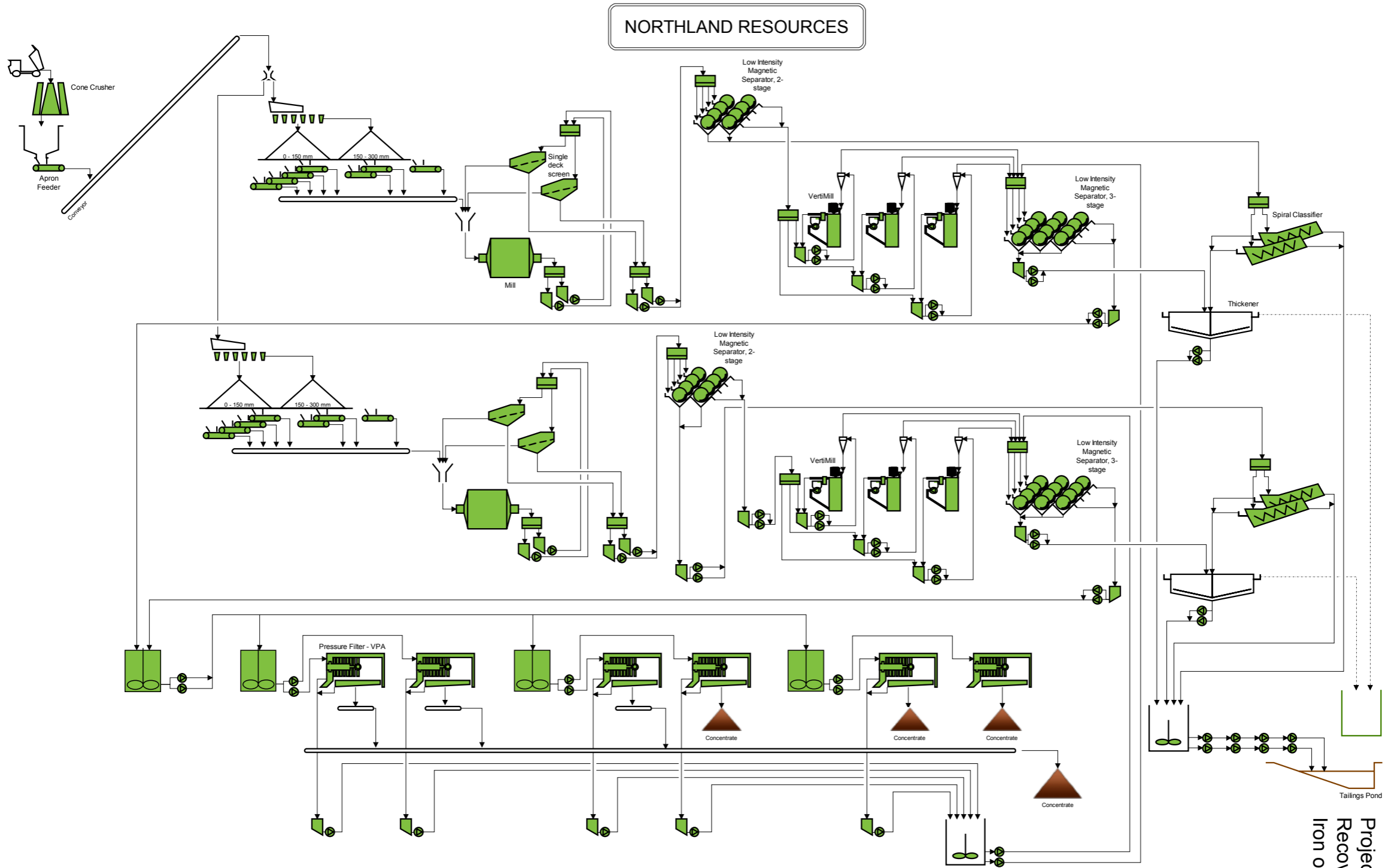
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NORTHLAND RESOURCES



Project summaries  
Recovery of  
Iron ore