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# Grängesberg Exploration Holding AB High lights

GRANGEX listed since 2008 on NGM SME Stockholm (Ticker NGM:GRANGX)

Grangesberg Exploration AB was acquired 2020 and the listed company changed name

Latest capitalization, January 2021; 47 MSEK
Option T03 & T04 due May-21—Jan-22; 74 MSEK

Market capitalization: 220 MSEK

Approx 7300 shareholders

#### What we do

 We identify, acquire and develop Swedish mineral projects with high profitability potential and low initial capital investment needs

#### A tactical view – gradual build positive cash flows

- Sala Bly cash flow positive operations
- The Grängesberg Apatite Project possible start
   24 30 months
- The Dannemora Restart Project possible start 36
   -40 months



# THE GRÄNGESBERG APATITE PROJECT

A recovery project in the circular economy with REE potential

# Grängesberg Apatite "at a glance" A stand-alone project

- Lease hold on tailing dams and industrial area
- Jan Matts Dam: 4-5 Mt, c 2,4% P, 0,3% REE\*
- Time to Production: c. 24-30 months
- LoM: 7 years
- Expected Production: 75 000 tpy (c. 17% P, 0,7% REE)
- REE content: Y, La, Ce, Pr, Nd, Eu



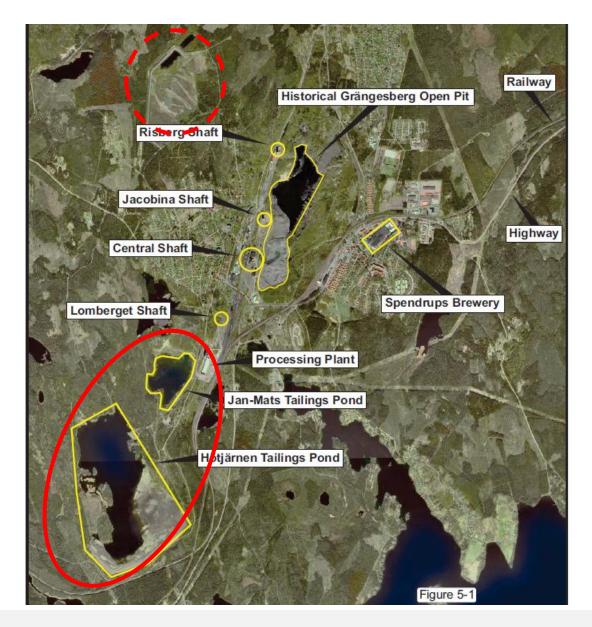


<sup>\*</sup> Historical data from SSAB filing 1990 with the Mining Inspectorate

### Overview Grängesberg

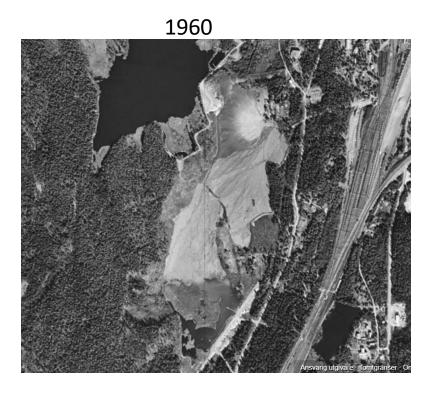








#### JanMattsdammen – in operation 1950 - 1973



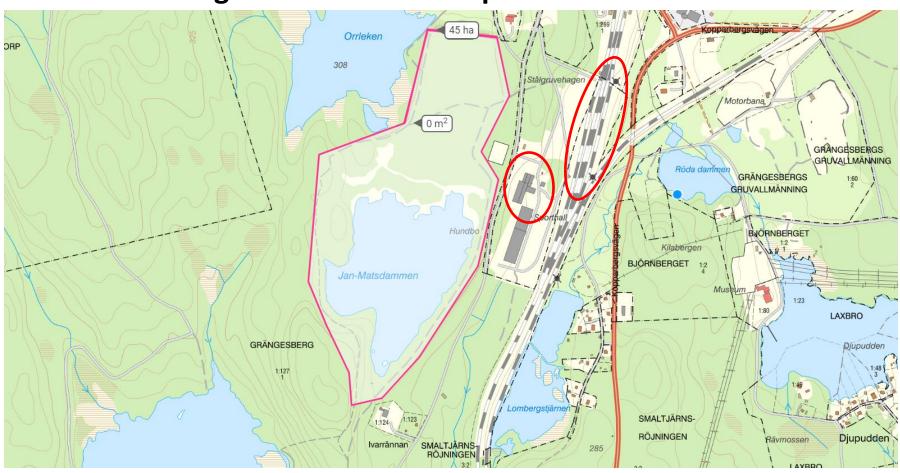






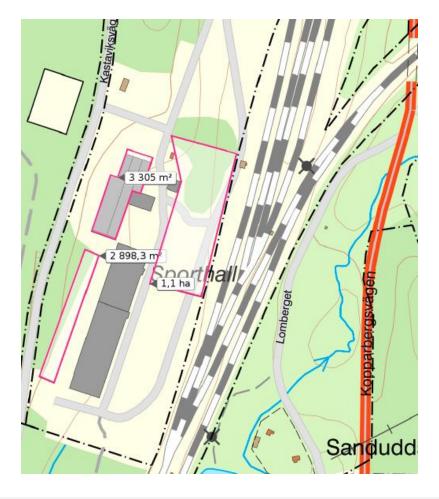
### Grängesberg Apatite project

Jan Matts tailing dam – The first step





#### Grängesberg Apatite Project Lomberg - Existing Industrial Area adjacent to the existing marshalling yard





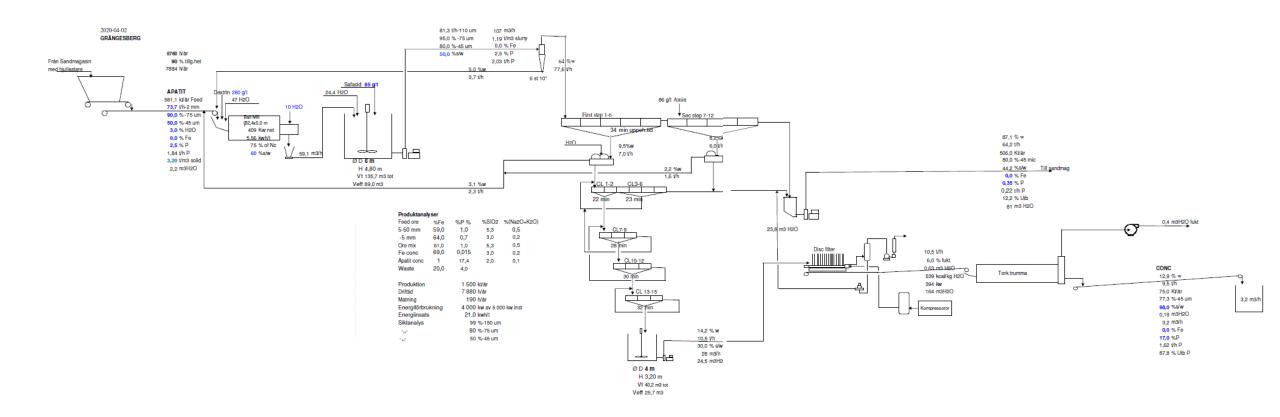








# Grängesberg Apatite Project Proven flotation plant layout to be optimized





## DANNEMORA RE-START PROJECT

# The Dannemora sustanability potential

- High grading the magnetite ore
- Productive mine infrastructure
- Existing rail and port logistics
- •Underground tailing deposit



#### The reasons for the bankrupcy 2015

Uncomplete process tests

**Pending critical investments** 

**Bad Timing** 



# The potential – state-of-the-art process design to meet the demand of the market





#### Dannemora benefits from existing installations

#### Mine installations

- modern logistics and infrastructure, 48 sqm mine access ramp system, declines, central shaft, ventilation shafts, electrical and media installations
- Industrial site
  - Head frame with hoisting system, marhalling yard, trail loading station, process building, complete incoming 20 KV power and switchgear system, fencing, office buldings,
- 40 km Railway & habour logistics

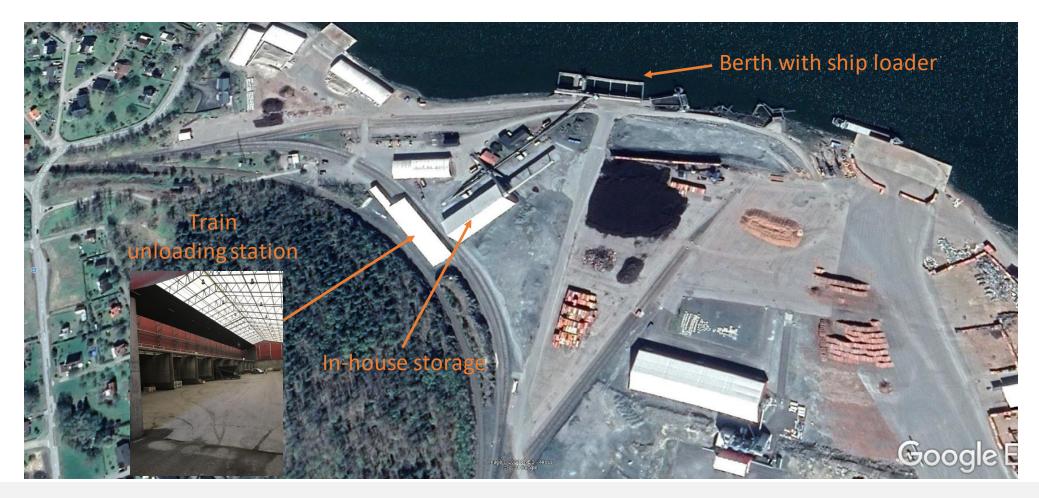








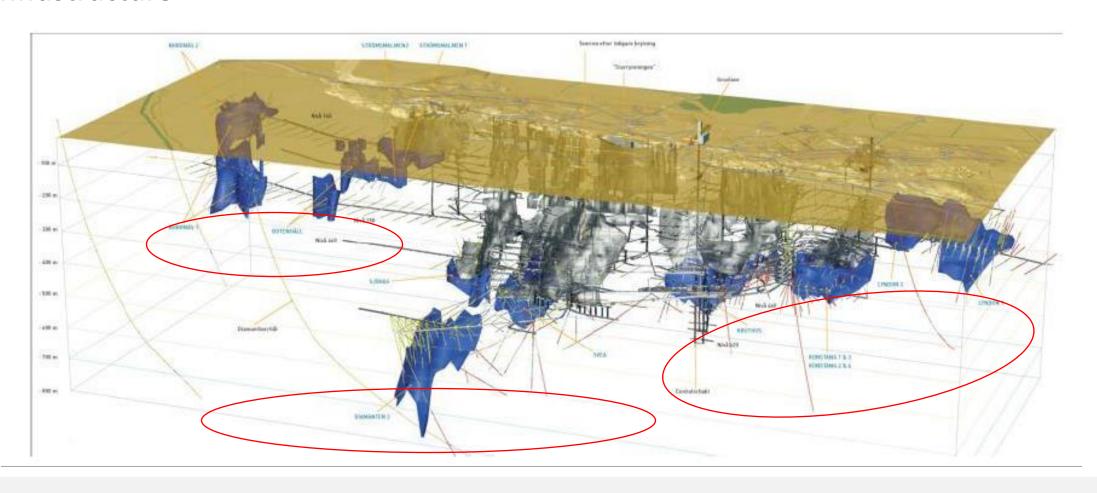
## Dannemora Complete harbour logistics





#### Dannemora

## 25+ Mt mineral resources with "large" exploration potential in a modern mine infrastructure





## Next Step during 2021

#### **Grängesberg Apatite**

- Process tests by GTK
- Scoping study
- Environmental Application Golder
- Definite Feasibility study

#### **Dannemora**

- Process tests by SGS Lakefield
- Scoping study by Golder
- Environmental Application
- Definite Feasibility Study











## Thank you

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