

3 September 2024

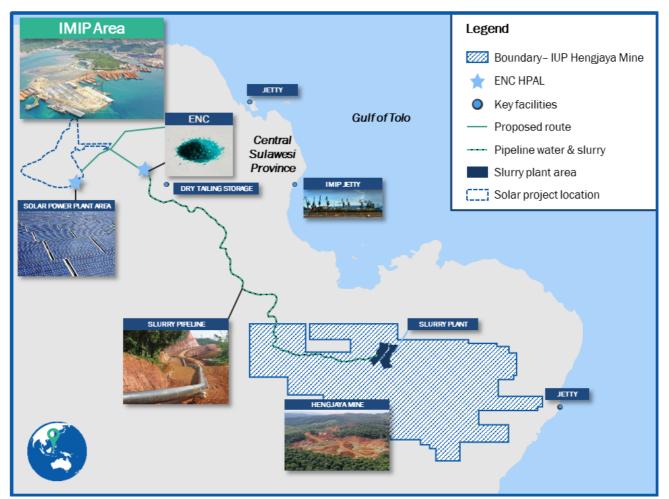
ASX Limited 20 Bridge Street Sydney NSW 2000

(5 pages)

### **ENC PROJECT UPDATE**

- Long lead items scheduled to begin arriving at IMIP from mid-September
- Engineering and design work completed on slurry pipeline and in-pit tailings
- The ENC Project and adjacent areas to be developed into a "green precinct"

Nickel Industries Limited (**Nickel Industries** or **the Company**) is pleased to provide a project update on the Company's 44% owned (increasing to 55%) Excelsior Nickel Cobalt high pressure acid leach (**HPAL**) project (**ENC** or **the Project**) within the Indonesia Morowali Industrial Park (**IMIP**) in Central Sulawesi, Indonesia.



ENC location in the IMIP area

NICKEL INDUSTRIES LIMITED ABN 44 127 510 589 Level 2, 66 Hunter Street Sydney NSW 2000 Australia **T** +61 2 9300 3311 **F** +61 2 9221 6333 E info@nickelindustries.com www.nickelindustries.com



## **DELIVERY OF KEY PLANT AND EQUIPMENT**

The Company's collaboration partner and largest shareholder, Shanghai Decent has completed earthworks and installed supporting ground infrastructure at ENC.



HPAL workshop





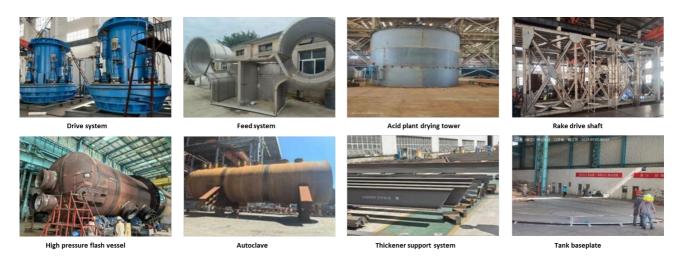
Hydroxide precipitation area



With excavation and footings now complete, long lead items that were previously procured and fabricated, are expected to start arriving at the IMIP from mid-September, including:

- preheaters, autoclaves and flash vessels;
- valves, anti-impact baseplate and blowers for the sulfuric acid plant;
- feed pumps for the autoclave and preheater;
- mixers for the autoclave; and
- thickener tanks.

This equipment has been sourced and procured from leading componentry equipment manufactures from around the world including Australia, China, Germany, Netherlands and the United States.



## **SLURRY PIPELINE AND INTEGRATED IN-PIT TAILINGS**

The Project capex guarantee includes a slurry pipeline from the Company's Hengjaya Mine (**HM**) operation. In recent months, the engineering and design planning for the slurry pipeline has been completed and the Company has applied to increase the HM operating license from 12m wmt to 22m wmt. The slurry pipeline will not only have capacity to transport 11m wmt of nickel limonite ore per annum, but also transport the dry tailings from the Project to the HM. After neutralisation and filter pressing, the dry tailings will be used to backfill, re-contour and rehabilitate mine pits at the HM.

The environmental permit applications for the slurry pipeline and in-pit tailing solution are well advanced and are expected to be supported as an "industry best-practice" tailings management solution, delivering a number of benefits. The in-pit design will avoid clearing ~500ha of land for an equivalent Tailings Storage Facility (**TSF**) and it will reduce carbon emissions and geotechnical issues. Further, as well as reducing costs associated with ore transportation, the tailings solution will improve water treatment and monitoring whilst enhancing landscape re-contouring and flora and fauna rehabilitation.



#### THE GREEN PRECINCT

The ENC Project has its own designated 200MWp + 80MWh Battery Energy Storage System (**BESS**) solar project. The Company is now pleased to advise the IMIP has recently confirmed its vision for ENC and the surrounding precinct to become the new global standard for sustainable project development, with renewable power driving a low-carbon emission operating environment. It is envisaged that the greater ENC area will evolve into a "Green Forest" precinct living area comprising apartments, villas, gymnasiums and sports fields utilising clean electric power across all buildings and transportation fleet including forklifts, excavators, commuter vehicles and trans for moving employees around the Project.



**IMIP Green Precinct Vision** 

# Commenting on construction progress at ENC and the green precinct status of the project within the IMIP, Managing Director Justin Werner said

"We are pleased to report on the excellent progress in delivering the ENC HPAL project within the contracted time frame. With the majority of the earthworks completed and key critical equipment such as the preheaters, autoclaves and flash vessels fabricated, we are expecting the arrival of this critical equipment at the IMIP starting in the next few weeks.

Good progress has been made on the slurry pipeline and tailings storage facility, which will see 100% of ENCs nickel ore requirements supplied from our HM operation via a slurry pipeline, which will have a number of benefits including reduced costs, lower carbon intensity and improved safety.

Our in-pit tailings storage solution is the best of breed with several environmental advantages compared to a dedicated tailings storage facility. The in-pit tailings design will not only avoid disturbing 500ha of additional land but also offers the opportunity to fill and re-contour mined out pits which can then be revegetated. This provides full traceability from mining to tailings disposal, leveraging HM's position as the leading nickel mining company in Indonesia when it comes to ESG and responsible and sustainable mining.

The commitment by our partner and largest shareholder to supplement the ENC surrounds with the funding for a world-class green precinct for ENC employees to live and thrive will elevate ENC to being a global leader and showcase for sustainable best practice nickel processing for the global EV and battery markets."



#### **Overview of Nickel Industries:**

Nickel Industries Limited (NIC) is an ASX-listed company which owns a portfolio of mining and low-cost downstream nickel processing assets in Indonesia.

The Company has a long history in Indonesia, with controlling interests in the world-class Hengjaya Mine, as well as four rotary kiln electric furnace (**RKEF**) projects which produce nickel pig iron (**NPI**) for the stainless-steel industry.

Having established itself as a globally significant producer of NPI, the Company is now rapidly transitioning its production to focus on the electric vehicle battery supply chain – recently, the Company has acquired a 10% interest in the Huayue Nickel Cobalt (HNC) HPAL project, adding mixed hydroxide precipitate (MHP) to its product portfolio.

Nickel Industries is now embarking on its next transformative step, investing in Excelsior Nickel Cobalt (ENC), a next-generation HPAL project capable of producing MHP, nickel sulphate and nickel cathode. ENC is expected to produce approximately 72,000 tonnes of nickel metal per annum, diversifying the Company's production and reducing the Company's carbon emissions profile – reflecting the strong commitment to sustainable operations.

To learn more, please visit: www.nickelindustries.com/

pjn12314