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**MIRABELA NICKEL**  
LTD

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# Mirabela Nickel Limited

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# Mirabela Nickel Limited

## IMPORTANT NOTICE

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# Mirabela Nickel Limited

## COMPETENT PERSONS STATEMENTS

The information in this presentation that relates to Exploration Results for the Santa Rita Nickel Deposit is based on information compiled by Mr. Lauritz Barnes who is a Member of The Australasian Institute of Mining and Metallurgy. Mr. Barnes is a consultant to Mirabela Nickel Limited. Mr. Barnes has sufficient experience which is relevant to the style of mineralization and type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2004 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserve' and is a Qualified Person in accordance with NI 43-101. Mr. Barnes consents to the inclusion in the presentation of the matters based on his information in the form and context in which it appears.

The information in this presentation that relates to Mineral Resources for the Santa Rita Nickel Deposit is based on information compiled by Mr. Lauritz Barnes and Mr. Brett Gossage, who are both Members of The Australasian Institute of Mining and Metallurgy. Mr. Barnes is consultant to Mirabela Nickel Limited and Mr. Gossage is the Senior Principal with Coffey Mining Pty Ltd, independent resource consultants engaged by Mirabela Nickel Limited. Mr. Barnes and Mr. Gossage have sufficient experience which is relevant to the style of mineralization and type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2004 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserve' and are each a Qualified Person in accordance with NI 43-101. Mr. Barnes and Mr. Gossage consent to the inclusion in the presentation of the matters based on their information in the form and context in which it appears.

The information in this presentation that relates to Ore Reserves, Mining Production and Cost Estimation for the Santa Rita Nickel Deposit is based on information compiled by Mr. Carlos Guzman who is a Member of the Australasian Institute of Mining and Metallurgy. Mr. Guzman is a professional Mining Engineer and Project Manager with NCL Brasil and is a consultant to Mirabela Nickel Limited. Mr. Guzman qualifies as a Competent Person as defined in the 2004 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserve' and is a Qualified Person in accordance with NI 43-101. Mr. Guzman consents to the inclusion in the presentation of the matters based on his information in the form and context in which it appears.



# Building a sustainable, profitable nickel producer

- Nickel market is projected to be in mid term supply deficit
  - Demand: Strong rebound led by China, “green shoots” evident in the US
  - Supply: Laterites still delayed, Sulphides declining, Chinese pig iron “swing” producer
  - Price range US\$5.50 - \$12/lb in past 12 months
  - Strong outlook for nickel in medium term
- Ore of choice: Sulphide
  - Well proven, low risk technology
  - Low capital cost per annual lb Ni
  - Shortage of good quality concentrates = seller’s market
    - 2009 - 53% of global production from Sulphide smelting
    - 2009 - 27% of global resources are Sulphide
- Best way to ensure superior cash returns = lower half of the industry cost curve
  - World class ore-body and infrastructure
  - Long life project



# Introducing Mirabela Nickel

- Santa Rita nickel sulphide deposit located in Brazil
  - Largest nickel sulphide discovery in over a decade
  - 100% owned
- Aggressive development timeline
  - Discovery to production in just 5 years
- Large, long life resource:
  - Proven reserves: 15.1Mt @ 0.65% Ni
  - Probable: 105.9Mt @ 0.59% Ni
  - Total: 121Mt @ 0.60% Ni (726,000t contained Ni)
  - Mine life of +19 years
  - Production at full capacity: 26,000tpa Ni in concentrate
- Dual listed: ASX: MBN, TSX: MNB





# Santa Rita: World class mine and infrastructure

- Expected to be second-largest open-cut nickel sulphide mine in the world
  - Well located, close to power, water, infrastructure
- Record plant commissioning in November 2009
- On specifications, high quality concentrate (17% metal) produced within week of commissioning
  - Domestic concentrate sales started
- Significant organic growth potential





## Getting the foundations right

**2010**  
**Delivering production**

- Financial discipline driving short term strategy
- Ramp-up mining operations and optimise plant recoveries
- Deliver sustainable operations at 4.6Mtpa
- Recommence underground drilling program

**2011**  
**Organic, brownfields growth**

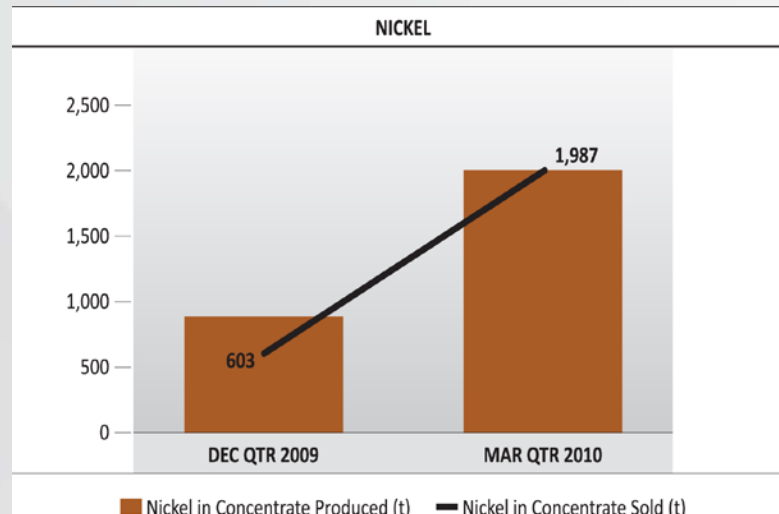
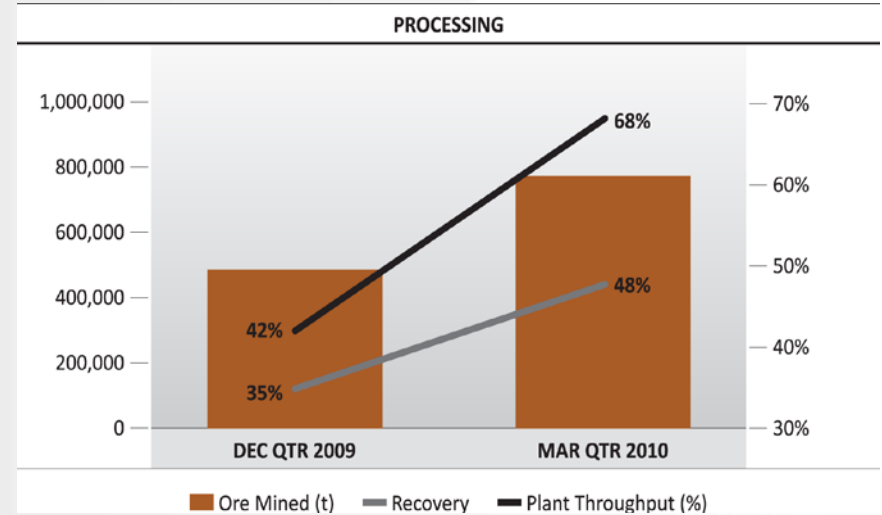
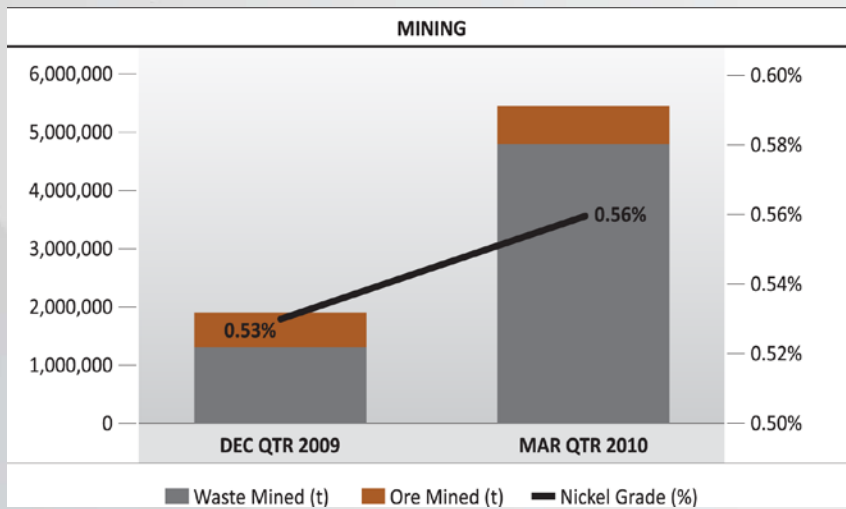
- Delivery of 6.4Mtpa open pit & plant expansion
- Progress underground feasibility work plan
- Commence regional exploration program





# Q1 2010 performance

2010 Production Guidance: 10,500 – 12,500 tonnes of nickel in concentrate



Florianópolis



# Key ingredients for success and sustainability

- Stable & supportive operating environment
  - Brazil
- People
  - Management, workforce, community
- Operational performance
  - Best practice heading to excellence
- Optimising costs
- Growth





## Brazil: An excellent place to mine

- Supportive economic and political environment
  - Project delivery in 5 years
  - Santa Rita project fully licensed
  - Substantial corporate tax concessions
- Sophisticated well established mining industry
  - Educated / highly skilled workforce
  - Strong in-country executive team
  - Ready access to service providers
- South America's leading economic powerhouse
  - Real GDP growth 5.3%
  - Stable monetary policy, controlled inflation, high employment





## People: A core component to achieving success

- Significant Board and executive changes
  - Transition from developer to producer
  - New team in place
- Investing in workforce
  - Training & development
  - High local community content ( > 50%)
  - Excellent safety and turnover statistics
- Corporate citizenship vital for success
  - Meaningful engagement
  - Demonstrative benefits
  - Long term view & approach





## Operational excellence: Embed from the start

- High performance in-country executive team now in place
  - No substitute for strong line management
  - Brazilian team for a Brazilian operation
- Selective use of third party consultants and advisors
  - Brazilian experts in mining, maintenance, systems implementation
  - Nickel sulphide specialists from Australia, Africa, Canada
- Implementing a simple organisational design and processes
  - Align the “coal face” decisions with the Corporate strategy & priorities
  - Simple “Plan - Do - Check - Act” methodology and reporting
  - Remuneration structures to reward performance
  - Focus on getting it right at the start and realising the benefits from 2011



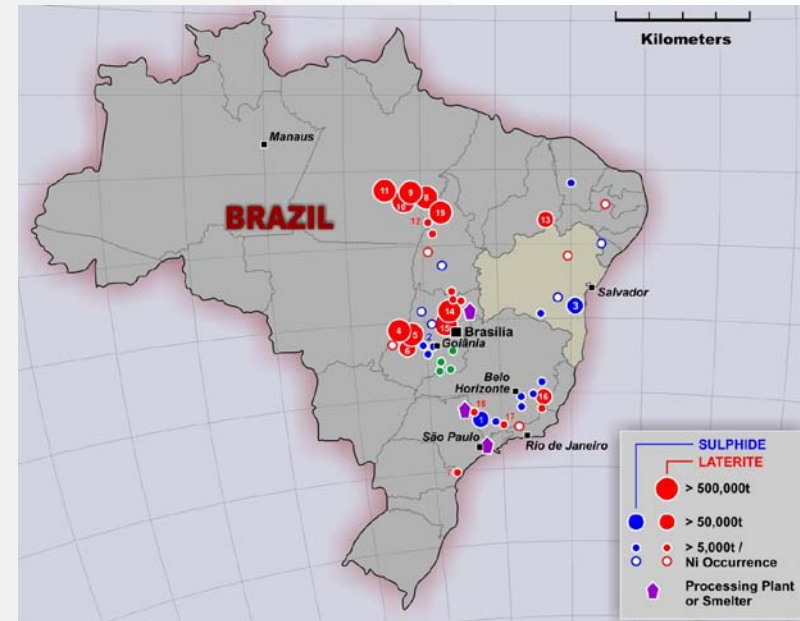
## Optimising costs: The journey has started

- Mirabela now reporting full operating financials for 2010
  - Commercial production will only be achieved once interim 4.6Mtpa target hit
  - 2010 costs and financials not indicative of LOM average due to ramp-up
- The move to lower end of cost curve will start in earnest after 6.4Mtpa expansion rate achieved during 2011
- Never too early to start addressing costs
- Program of cost optimisation has commenced
  - Supplier and contractor review and consolidation underway
  - Benchmark review of productivity, costs, organisational structure
  - Rapid ramp-up and de-bottlenecking underway
    - Mining fleet now on site and working
    - Plant expansion engineering study underway



## Future growth: Significant brownfields potential on doorstep

- Open pit and plant expansion to 6.4Mtpa
  - Majority of plant infrastructure in place
  - Second ball mill on site
  - Engineering study commissioned re plant upgrade potential
  - Staged ramp-up in mining activity planned
- Underground potential
  - Inferred resource: 87.5Mt @ 0.79% Ni (690,000t contained Ni)
  - Deposit open at depth
  - Evaluate full potential of underground
- Brazil still largely under-explored for nickel
  - Regional exploration planned for 2011





# Building a sustainable, long life nickel business

**Mirabela Nickel is becoming a mid-tier, low cost nickel producer offering growth and value to stakeholders**

