



NOUVEAU MONDE  
ENTREPRISES MINIÈRES MINING ENTERPRISES



# MATAWINIE GRAPHITE

## NORTH AMERICA'S WORLD-CLASS GRAPHITE DISCOVERY

[WWW.NOUEAUMONDE.CA](http://WWW.NOUEAUMONDE.CA)  
Nouveau Monde Mining Enterprise

TSXV - **NOU**  
US - **NMGRF**  
FSE - **NM9**

This Fact Sheet is confidential and has been prepared for internal use only. Its contents must in no case be made known to the public or to the press. The information contained or presented have been prepared for information purposes and do not constitute an offer to buy or sell or a solicitation to offer to buy or sell any security in any jurisdiction.

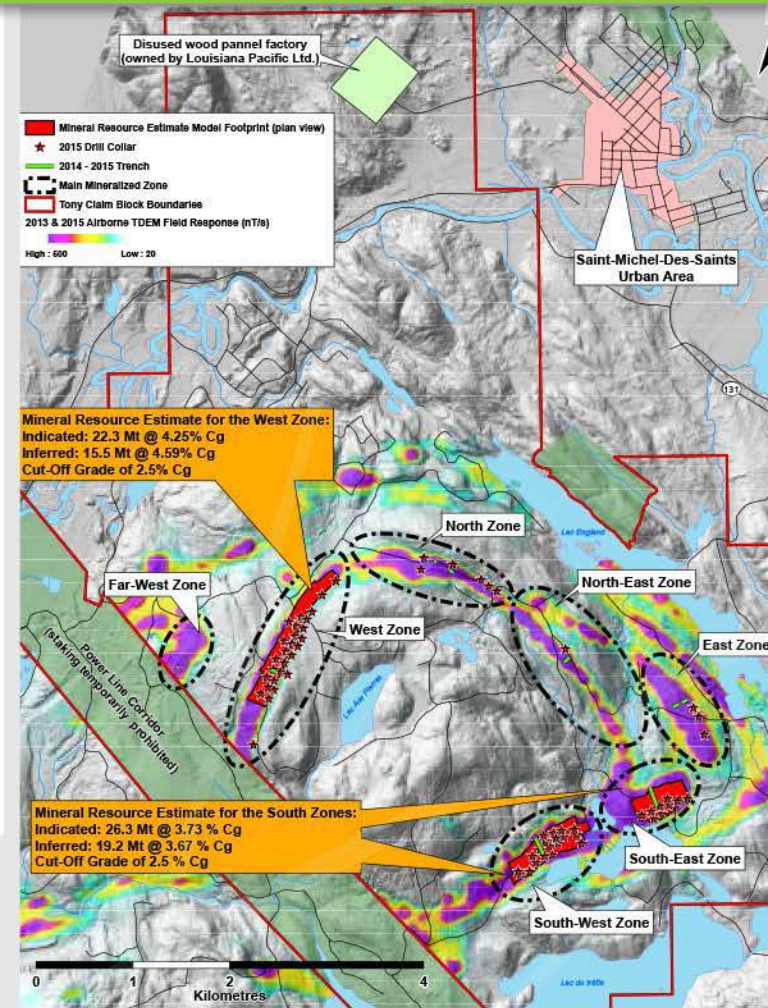
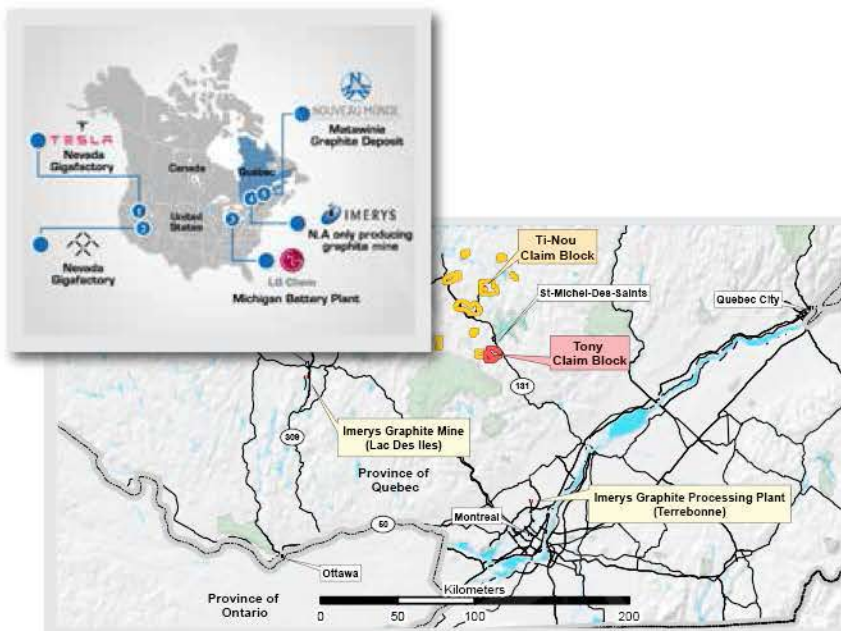
Furthermore, this Fact Sheet may contain certain forward-looking statements concerning Nouveau Monde's operations, economic performance and financial condition, and plans and expectations. Such statements involve both known and unknown risks, assumptions, uncertainties and other important factors that could materially influence the actual performance of Nouveau Monde. No assurance can be given that these will prove to be correct and no representation or warranty express or implied is given as to the accuracy or completeness of such statements or as to any of the other information on this Fact Sheet. Nouveau Monde's future results may differ materially from past or current results, and actual results may differ materially from those projected in the forward-looking statements.

# MATAWINIE GRAPHITE

## NORTH AMERICA'S WORLD-CLASS GRAPHITE DISCOVERY

### THE PROPERTY : AN IDEAL LOCATION

- Only 130 km north of Montreal;
- In proximity of Imerys' Lac-Des-Îles mine, the only producing graphite mine in North America;
- Easy access to public roads, affordable electricity, water and a town of 2,500 people for skilled labor.



### OUR SOCIO-ENVIRONMENTAL MISSION

Natural Graphite is at the center of the "green" revolution.

- Our operations are developed with the highest environmental standards in Quebec, one of the world's most advanced and mining friendly jurisdiction;
- We are favourably positioned to target the growing North-American lithium-ion battery market. Local, green and safe supply of natural graphite produced with the lowest environmental footprint possible is now a priority for all North-American lithium-ion battery manufacturers.

# MATAWINIE GRAPHITE

## NORTH AMERICA'S WORLD-CLASS GRAPHITE DISCOVERY

### EXCEPTIONAL INITIAL TECHNICAL RESULTS ON TONY BLOCK

Easily purified, high quality graphite is the supply of choice for the Li-Ion market.

- Over 14 linear km of conductive anomalies confirmed to be caused by graphitic mineralization grading generally from 3% to 7% carbon graphite;
- Resource calculation: 48.6 million tonnes at 3.97% Cg indicated and 34.7 million tonnes at 4.08% Cg inferred. A very favourable strip ratio is expected with these results;
- Contains up to 60.3% of large flakes at an average carbon grade of 98.5%.

### RECENT & UPCOMING MILESTONES



### GOOD FINANCIAL SITUATION



- Fully funded to complete a Preliminary Economic Assessment (PEA) during the first half of 2016;
- Strong support from key institutional shareholders like Desjardins, Caisse de Dépôt, FTQ, SIDEX.

# GRAPHITE FACTS

## ONE OF THE 3 FORMS OF CARBON

Diamond



Graphite



Coal



Lubricant Resistant

Conductive



Heat Resistant



Light

### MULTIPLE APPLICATIONS

74%



### INDUSTRIAL

### BATTERIES

12%



### SPECIALIZED PRODUCTS

14%

Source: Benchmark Mineral Intelligence

## SUPPLY - LIMITED

## \$12B MARKET - DEMAND

### HIGHEST SUPPLY LOWEST PRICE

AMORPHOUS GRAPHITE

Cannot be used in the production of most new technologies



60%

CHINA PRODUCES 70% OF THE WORLD'S GRAPHITE



40%

### LOWEST SUPPLY HIGHEST PRICE

FLAKE GRAPHITE

Only HIGH PURITY FLAKE can be used in the production of NEW TECHNOLOGIES

Source: US Geological Survey 2015

## NEW GREEN TECHNOLOGIES DRIVING GRAPHITE DEMAND GROWTH



### GRAPHENE

Outstanding Properties for Multiple Applications

Graphene, which occurs naturally in graphite, has unique physical properties and the potential to revolutionize the scientific world and to provide unique new applications which will bring about additional demand for graphite

- 300,000X thinner than the human hair
- 1000X better conductor than copper
- 200X stronger than structural steel.
- 10X better heat conductor than copper



### NUCLEAR POWER

Currently testing & developing Pebble Bed Reactor designs

In the U.S., it is estimated that 400,000 tons of graphite will be needed by 2020 for multiple new 100 GW reactors

Source: West Virginia University



### LITHIUM ION BATTERIES

Lithium ion batteries are found in many modern electronic devices

AMOUNT OF GRAPHITE IN BATTERY OF



Smart Phone  
19g



Tesla Model S 130 Kg  
NISSAN LEAF 58 Kg  
CHEVY VOLT 28 Kg



### FUEL CELLS

Fuel Cells have the potential to use as much graphite as all other products

Proton Exchange Membrane technology requires large amounts of graphite and is the most likely technology to be developed for use in light vehicles, buildings and smaller applications

### SPECTACULAR GROWTH OF THE EV MARKET

between 2008 - 2014

- 46,000 electric buses
- 235 million electric two-wheelers
- 16 billion USD EVI government spending;

Source: US Geological Survey, US Department of Energy