

Orano Canada Inc.

2018 Saskatchewan Mining Supply Chain Forum

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Presentation Topics

- 1. Brief Introduction of Orano
(Global and Canada)**
- 2. McClean Lake Operation**
- 3. 2018-2019 Planned Projects**
- 4. Supply Chain Management
Process**
- 5. CSR Requirements**

Orano Group

a strategic refocusing on nuclear fuel cycle business



Mining



Uranium conversion
and enrichment



Used fuel
recycling



Nuclear logistics



Dismantling
and services

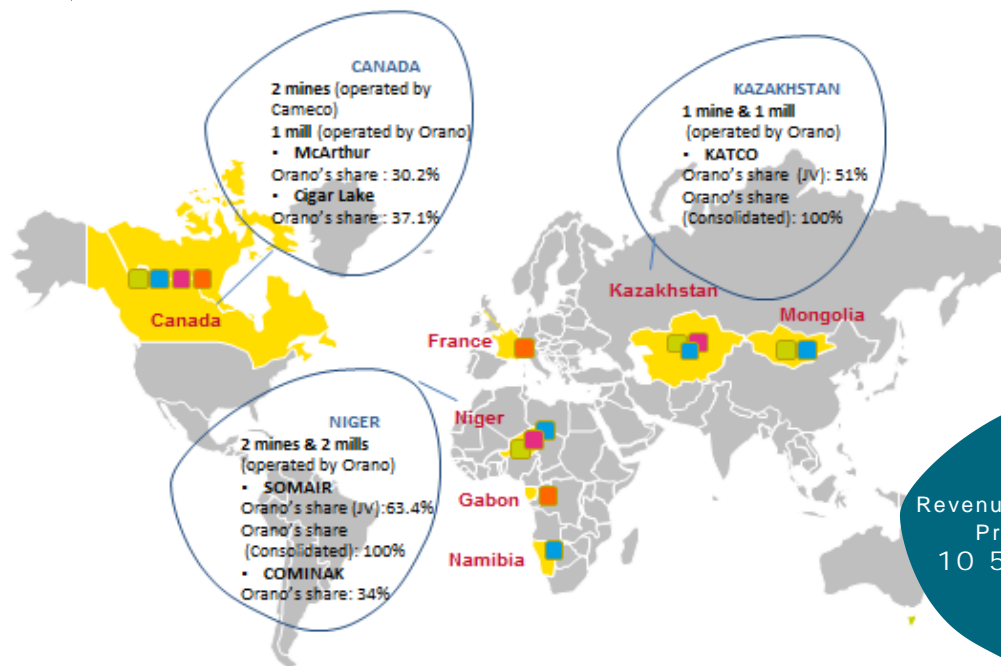


Engineering

- **Products and services with high added value throughout the entire nuclear fuel cycle, from raw materials to waste treatment.**
- **16,000 employees worldwide**
- **Unwavering dedication to safety**
- **HQ: Paris, France**

Orano Mining Business Unit

A diversified and competitive mining asset portfolio



Significant development potential



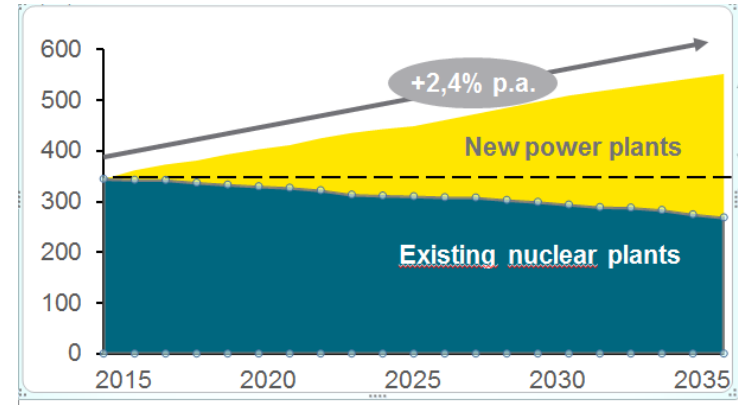
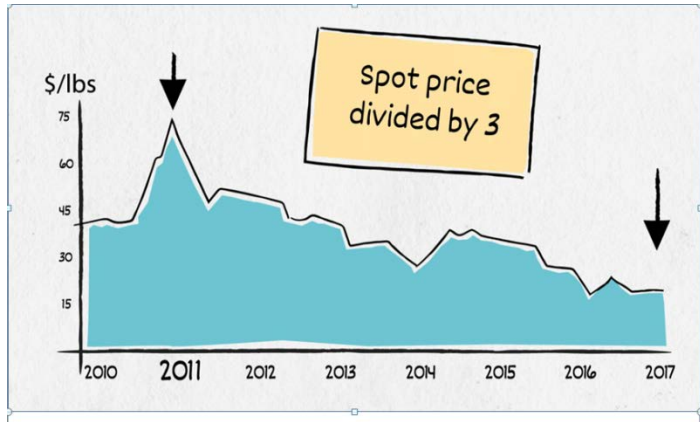
A promising portfolio projects
 geographically diversified
 (Canada, Kazakhstan, Mongolia...)

Revenue €1.294 b
 Production
 10 531 tU ⁽¹⁾

15%
 of the
 global market

Geologists and
 exploration
 techniques
 among the
 most efficient

Nuclear Market



Source: WNA

- Sustained low uranium prices
- Limited new investment with investment in primarily in sustaining capital
- Continued optimism in the demand for clean energy through nuclear power

Orano Canada Inc.

- **HQ: Saskatoon, Saskatchewan**
- **A leader in uranium exploration, mining and milling**
- **Present in Saskatchewan for over 50 years**
- **about 470 employees in Sask**
 - Over 51% of McClean Lake operation employees from northern Saskatchewan
 - 46% McClean Lake employees are Indigenous
 - 26% of Orano Canada employees are women

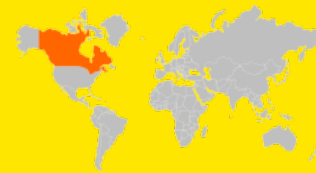


Orano Canada: McClean Lake

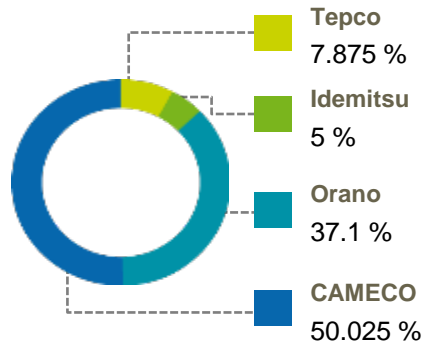


- Located over 750 km north of Saskatoon and 400 km (via road) north of La Ronge in the Athabasca Basin region
- Over 20% of the world's annual uranium production comes from the Athabasca Basin

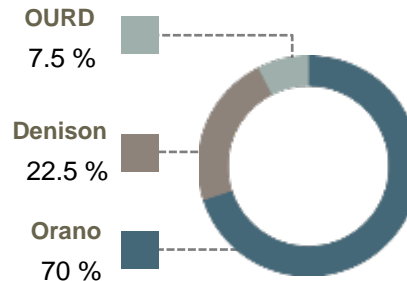
McClean Lake Mill & Cigar Lake Mine



CIGAR LAKE MINE (Operated by Cameco)



McCLEAN LAKE MILL (Operated by Orano)



- **Mine type:**
underground mine
- **Mining technique:**
Jet-Boring
- **Total packaged production in 2017: 6.9 tU (18 M lbs. U₃O₈)**
- **Mill production capacity:**
9,200 tU/year (24 M lbs. U₃O₈)
with 18 mlbs dedicated to Cigar Lake production

McClellan Lake Video

Supply Chain Management: McClean Lake's Key Commodities

- Reagents
- MRO
- Power transmission
- Electrical
- Energies (diesel, propane)
- Pipe, valves, fittings
- PPE
- Lubricants
- Pumps
- Instrumentation
- Laboratory equipment
- Propane



Orano's 2018 - Projects

Main Projects	Examples of Goods & Services Required
SABRE Project - Equipment study and development	Commissioning of 15,000psi water-jet pumps and separation system, drilling contractor, grout tests and equipment
Tailings Management Facility Construction - Re-sloping - Manufacturing & placement of bentonite liner - Wells decommissioning	Earthworks, bentonite supply, sediment control, well assessment & unplugging
Enhanced Density of Tailings - Maximize capacity in TMF	Studies, sampling campaign, optimize thickener operations with flocculants and coagulants
Acid Plant - Cold gas interpass exchanger replacement	Pipes, valves, tanks
Peroxide Storage	Pipes, valves, tanks
SO2 Mitigation - Equipment study and development - Field testing	Pipes, valves, tanks

Supply Chain Management: Orano and McClean Lake's Key Services Required

- **Engineering Services**
 - Environmental, EPCM, Certification/Verification
- **Catering**
- **Security**
- **Janitorial**
- **Transportation**
 - Ground & Air
- **Exploration Services**
 - Drilling, Geophysics, Line Cutting
- **Site Services**
 - Concrete repair, electrical, mechanical, floor coatings, tank liner repairs, HVAC, instrumentation



Supply Chain Management: How To Become A Vendor To Orano

- **Request and complete a vendor pre-qualification form**
 - Company background, financial stability, capabilities, references
- **Site Audits**
 - Orano may be required to audit your site to review safety, quality & production processes
- **RFQ**
 - RFQ's would be issued if the vendor prequalification and audit has been acceptable to Orano
- **Bid Evaluation**
 - Price , quality, service, delivery, key personnel, adherence to technical specifications

Corporate Social Responsibility in Saskatchewan

A strong commitment to our core values and the North:

- Northern Saskatchewan Residents employment and training and business development
- Community engagement and Community Investment
- Donations, sponsorships, and scholarships

Northern Spend	McClean Lake Employees RSN	McClean Lake Indigenous Employees	Community Investment
\$48.9M (66% of total Spend)	51%	46%	\$480,000 (+ contributions to Community Run Trusts)

* Total 2017

A strong commitment to our northern business strategy through Provincial Surface Lease and Collaboration Agreement obligations.

- ◆ Ya'Thi Nene Collaboration Agreement
- ◆ Pinehouse Collaboration Agreement
- ◆ ERFN Collaboration Agreement
- ◆ 6 Rivers Fund

Questions?

Thank You!

- Check us out on social media



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orano

Giving nuclear energy its full value