

# KENNETH JOHN ROBERTS

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## SUMMARY OF EXPERIENCE

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- Over 32 years experience in the mineral processing industry.
- Mineral separation from gold processing, iron ore, mineral sands and nepheline syenite.
- Engineered and designed the ADR gold plant for Alamos' Young Davidson mine.
- Designed the gravity circuit for Canada's longest running gold plant at the Dome mine in Timmins Ontario
- Responsible for all testwork and design of the paste plant at the Campbell mine in Red Lake, Ontario.
- Involved with the design and engineering of the following flotation circuits: Antamina Peru, Copper Mountain BC, Highland Valley Copper BC, Strathcona Sudbury, IOC Labrador City, Huckleberry BC, Saucito Mexico, Fresnillo Mexico and Kennecott USA among others.
- Was a Member of the Editorial Committee of Canadian Milling Practice 2000 and a Member of the Editorial Committee Paste 2010.
- Honoured by the Canadian Mineral Processors in 2009 by receiving the Bill Moore Special Achievement Award for recognition of meritorious service to the division or an outstanding technical contribution to the industry.
- Honoured by the Canadian Mineral Processors in 2017 by receiving the Ray MacDonald Volunteer Award for exceptional volunteer contribution made to the advancement of the Canadian Mineral Processors Society either at the National and Regional level.

## ACHIEVEMENTS AND AWARDS:

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### 2009 Canadian Mineral Processor's Bill Moore Special Achievement Award.

- The award will be made from time to time as circumstances warrant in recognition of meritorious service to the division or an outstanding technical contribution to the industry.

### 2017 Ray MacDonald Volunteer Award

- The award will be made from time to time as circumstances warrant, in recognition of exceptional volunteer contribution made to the advancement of the Canadian Mineral Processors Society either at the National or Regional level.

Guest lecturer annually at Laval University

Member of the Editorial Committee of Canadian Milling Practice 2000

Member of the Editorial Committee Paste 2010

## EDUCATION

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### Mining Engineering Technician

Haileybury School of Mines, Haileybury, Ontario

1986 - 1987

### First Year Mechanical Engineering

Ryerson Polytechnical University, Toronto, Ontario.

1985 - 1986

### First year Mining Engineering Technician.

Haileybury School of Mines, Haileybury, Ontario.

1984 - 1985

### Roland Michener Secondary School, South Porcupine, Ontario

Graduated with Ontario Secondary School Honours Diploma

1979 - 1984

## EMPLOYMENT HISTORY

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**Manager Global Sales Mineral Technologies**  
Cararra, Queensland

**2017 – 2018**  
*Global*

- Responsible for Sales across the globe direct reporting from 6 regional offices located in Australia, Brazil, South Africa, USA and India.
- Growth strategies through diversification have been developed and are being implemented targeting modular plant supply and tailings treatment across a variety of minerals.
- Further diversification is taking place by identifying existing markets where our process equipment can be utilized where we have not had a footprint in the past.
- Utilization of the CRM system for monthly monitoring of sales performance and annual budgeting has been implemented.

**Director Global Sales**  
Eriez Flotation Division

**2015 – 2016**  
*Delta British Columbia*

- Responsible for Sales & Service and increasing the market presence of the Eriez Flotation Division in North America and across the globe.
- Currently implementing Sales procedures as well as weekly tracking of key projects that will contribute to the annual budget.
- Proving guidance to new sales staff and leading the effort through frequent visits to major Engineering firms, Owners and Operators.
- Revitalizing the network of global agents through visits and providing technical data to support their sales efforts.

**Sales Director Canada and Sales Director North and Central America**  
FLSmith Inc

**2011- 2015**  
*Abbotsford British Columbia*

- Responsible for Sales & Service and increasing the market presence of FLSmith in Canada and then coordinating the North American Sales Team.
- This was completed through the acquisition of quality talent in each of the Sales and Service business units. A testing unit has been developed in the east and the west as well as the introduction of a new operational model for the Country which was launched January 2013.

**Director Concentrator & Hydrometallurgical Sales North America**  
Outotec North America

**2010-2011**  
*Abbotsford British Columbia*

- Responsible for Solution Sales to North American Owners, Operators & Engineers.
- Acting as the Outotec representative in the Vancouver area for all processing Projects.
- Assisting junior members of the North American Team through mentoring sessions on a regular basis
- Providing insight to the North American President on industry trends and market conditions.

**Director Process Solutions**  
Knelson Gravity Solutions

**MARCH 2010- OCTOBER 2010**  
*Langley British Columbia*

- Responsible for start-up of a new business unit in the Knelson group which provided CIL/CIP, ADR and gravity concentration expertise involving turn-key processing solutions to gold processing operators.

**Vice President, Sales & Marketing North America**  
Outotec Canada

**2007-2010**  
*Burlington, Ontario*

- Promoted to Vice President, Sales & Marketing North America in 2007
- Responsible for process solution packages across the continent as well as coordinating a team of Sales Professionals in North America based in Burlington Ontario, Jacksonville Florida and San Luis Potosi, Mexico.
- Led the Sales team who over those 7 years had increased NA sales from an average of \$18-20\$ Million USD to \$62 Million in 2008 and \$56 Million in 2009.

**Regional Manager Eastern Canada and Caribbean**  
Outotec Canada

**1998-2007**  
*Burlington, Ontario*

- Promoted to Regional Manager Eastern Canada and Caribbean.
- Responsible for all Outokumpu process equipment sales including flowsheet development, commissioning and troubleshooting.
- Sold multi-million dollar projects in Canada and Cuba.
- Developed knowledge of projects at the grass roots level through liaison with the head offices of major Mining and Engineering Companies.
- Maintain contact base with operating plants through regular site visits throughout Eastern Canada and the Caribbean.

**Technical Support**  
Outotec Canada

1997-1998  
Burlington, Ontario

- 1st year of service was responsible for Technical Support to all North American salespersons.
- Developed the flotation circuit for the Antamina Concentrator in Peru to handle the 7 different ore types to be processed.

**Roberts Commissioning Service**

May '97-November '97  
Peterborough, Ontario

- Responsible for commissioning the largest Knelson Concentrator Circuit in the world at Minera Alumbrera in Argentina, an 80,000 tpd copper-gold plant.

**Plant Superintendent.**  
Unimin Canada,

1995 - 1997  
Peterborough, Ontario

- Responsible for the daily operation of a 2000 tpd nepheline syenite plant with a labour force of 80 personnel.
- Successfully negotiated a 3-year labour agreement between management and the hourly workforce.
- Commissioned a new pebble mill with minimal downtime and was instrumental in the rehabilitation of a dormant quarry with marine life.

**General Mill Foreman**

Placer Dome Canada, Detour Lake Mine.

July '94 - March '95  
Timmins, Ontario

- Supervised daily SAG mill operations with 20 personnel, including daily mill maintenance programs. Coordinated with Environmental personnel for efficient management of tailings basin.
- Supervised the commissioning of a Sulphur Dioxide Air-Cyanide Destruction Plant.
- Acted in capacity of Mill Superintendent when required.
- Coordinated feasibility study to increase plant tonnage from 2800/day to 4000/day.

**Mill Operations Metallurgist**  
Placer Dome Canada, Dome Mine.

March '91 - June '94  
South Porcupine, Ontario

- Commenced employment as Metallurgical Technologist and worked in refinery and concentrate areas as well as conducting metallurgical testing and research.
- Promoted to Mill Operations Metallurgist and supervised concentrate and refinery areas. Acted in capacity of General Mill Foreman and Mill Superintendent for combined 12 month period.
- Assisted in design of circuit expansion to 10,000 tpd from 4,700 tpd.
- Initiated project to increase tonnage from 4000 tpd to 4600+ tpd with minimal capital cost.
- Coordinated testing and installation of liquid oxygen addition system.
- Spearheaded addition of Knelson concentrators in the gravity circuit, which replaced the mineral jigs.

**Mill Metallurgist**

Giant Yellowknife Mines Ltd.

Feb. '90 - March '91  
Timmins, Ontario

- Daily monitor of control systems. Lab and plant testing of mill processes and responsible for daily metallurgical test work.
- Part of a team that increased throughput from 2,500 stpd to 3,800 stpd with minimal capital expenditures.

**Junior Metallurgist**

ERG Resources Inc.

1989 - 1990  
Timmins, Ontario

- Lab and plant testing of mill processes for a 33,000 mtpd gold tailings recovery operation.

**Mill Operator/Mill Leader/Refiner.**

Canamax Resources Inc. Bell Creek Mine.

1988 - 1989  
Timmins, Ontario

## Mill Operator

American Barrick Resources, Holt McDermott Mine.

- Member of the commissioning team of a 1360 tpd CIL gold recovery plant.

May '88 – Oct '88

Kirkland Lake, Ontario

## Mill Operator/Refiner

Canamax Resources Inc. Bell Creek Mine.

- Member of the commissioning team of a 500 tpd Merrill Crowe gold recovery plant.

Aug. '87 to April '88

Timmins, Ontario

## Mill Operator/Roaster Operator.

Campbell Red Lake Mines Ltd.

May '87 – Aug. '87

Balmertown, Ontario

## STUDIES:

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OMDP Talent Management Pool: Strategic Mindset, Leadership and Change Management

2006

Certificate "the K concept"

2010

- The K Concept will help you create a well organized development
- Developed by Leif Klingborg, acknowledged to be a leader of leaders because of the breakthrough performance he has produced over the years with several organizations
- The K Concept is dynamic, contemporary, and timeless. It shows you in practice how to accelerate your team towards your vision, to consistently achieve results that set industry standards.
- The K Concept is much more than just the K Concept book. It comprises multiple approaches on how to move organizations forward, developed through cooperation with proactive companies.
- Had a personal coach from Klingborg for 5 years when employed by Outokumpu/Outotec and was trained in facilitating to help him move his North American Sales Team forward.
- Used this skill in developing Teams with Outotec, FLS, Eriez Flotation and Mineral Technologies.
- This skill is also utilized on a regular basis in developing solutions with his current client base.

## LANGUAGES

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- 1st language is English
- 35% spoken in French
- 25% spoken and written in Spanish (currently studying Spanish)

## INTERESTS AND INDUSTRY ASSOCIATIONS

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- Mountain biking, hockey, canoeing & hiking
- Member of North Eastern Ontario branch CMP executive, 1991-1994
- Member of Toronto branch CMP executive, 1999-2010
- Vice Chairman Vancouver CIM branch, 2011-2012
- Chairman Vancouver CIM branch, 2012-14
- Past Chairman Vancouver CIM branch, 2014-2015
- Vice Chairman Mining Suppliers Association of BC, 2011-2013
- Chairman Mining Suppliers Association of BC, 2013- 2014
- Past Chairman Mining Suppliers Association of BC, 2015-2016
- Member of Vancouver branch CMP executive, December 2011- December 2015 Guest speaker for Minerals Ed BC 2016-current

## REFERENCES:

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Available upon request