

 **PECKTECH™**

A Caterpillar Company



PECK TECH

Meet the Team

Jonathan Peck

President & Chief Engineer (Montreal, Canada)

B.Sc. Geology Specialization (Concordia), M. Eng. Mining Engineering (McGill), PhD. Mining Engineering (McGill).

Technical SME, Montreal, Canada - Monitoring, feedback, control and automation solution conceptual design and definition for mobile mining machines and fixed plant, new advanced mining applications and solutions definition including Digital Mining strategies and Drill to Mill applications, market assessment of existing, new and enabling technologies, competitive analysis, customer needs, functional requirements and business model's definition, partnership initiation and execution, overall D2M program management, Operational Consulting Lead.

Imtiaz Wadiwale

COO (Montreal, Canada)

B.Sc. Mechanical Engineering (U of Alberta), six-sigma Black Belt – Caterpillar.

Over 16 years supporting Mining Customers with validated results in execution of mining equipment application and operational performance improvement projects. Decisive, energetic, and pragmatic leader with a track record of achieving targets in challenging environments while engaging across multiple organizations simultaneously. Demonstrated ability to identify, develop and deliver solutions and improvements based on customer experience input and voice of customer.

Francois Gariepy

Senior Systems Engineer (Montreal, Canada)

B.Sc. Computer Engineering (Specialization Robotics & Artificial Intelligence) Université de Montréal École Polytechnique

FMS/AHS Technical SME, Montreal, Canada – Technical SME, systems architect, and software developer on autonomous haul-truck and blasthole drills, site awareness, collision avoidance and FMS and HPGPS machine monitoring, control and guidance systems and solutions development.

Sandy Pyke

Facility and Operations Manager (Montreal, Canada)

Electronics Technologist D.E.C. (Dawson College) 6 Sigma Black Belt - Embedded Systems SME, Montreal, Canada

Embedded on-board electronics component and system design SME. COTS and custom solution design, sourcing, manufacturing, testing and deployment expertise. Project management using 6 Sigma methodologies. Responsible for Montreal facility management and operations including IT, EHS, HR, and maintenance.

Viktor Shlenchak

Senior Software Engineer (Montreal, Canada)

*B.Sc. Software Engineering (Specialization 3D Computer Vision and Computer Graphics)
Sherbrooke University*

Mobile Mapping & Advanced Sensors SME, Montreal, Canada – Enterprise full life cycle software development, big geo-referenced 3D data visualization and processing, advanced sensor selection and analysis, machine navigation and control algorithm design, coordinate systems and projections, point cloud alignment and registration, point cloud feature extraction, testing and validation, land mobile mapping systems design, SCRUM agile development.

Andrew Chapman

Product Manager/Application Specialist (Montreal, Canada)

B.Eng. Mining Engineering (McGill), M.A.Sc. Mining Engineering (Queen's)

Technical Mining Systems SME, Montreal, Canada - Mine operational experience around blast design, mine sequencing, reconciliation, forecasting, budgeting and economic analyses, project engineering and technical system mine design/selection, FMS operational experience and optimization, stationary & mobile 3D mapping applications based on LiDAR, time model design, inter-operability of heterogeneous systems & integration, human factors design for mining systems interfaces, integrated reporting solutions (including MMRS) and optimization;

Curtis Watson

Product Team Lead (Montreal, Canada)

B.Sc. Mining Engineering (Queen's), M.A.Sc. Mining Engineering (Queen's)

Product design, deployment, testing, and validation; Project Management; LIDAR Applications in mining; vibration signal analysis; engineering systems analysis; Embedded on-board electronics system design and integration; Mechanical design.
Stephen King – Design Engineer (Montreal Canada) - Specializing in product and component design using CAD systems CREO, OnShape & Inventor. 3D Modelling, GD&T, 2D Drawing creation, analysis and component selection. Mechanical SME able to work with cross-functional engineering teams creating and improving manufacturing systems and processes.

Aurelien Nie-Rouquette

Application Specialist (Montreal, Canada)

B.Eng. Mining Engineering (McGill), M.Eng. (McGill)

Support, QA, commissioning, and integration with client systems for drilling applications; investigation and analysis of drilling data for geomodelling and machine health; ROS integration for underground vision and scanning project.

Richard Pearson – Senior Software Engineer (Montreal, Canada) - B.Sc. Software Engineering (Mathematics & Computer Science), Sherbrooke University - land and airborne mobile mapping system, advanced sensors integrator (LIDAR, 1D / 2D / 360° cameras, GNSS positioning & navigation systems), image and point cloud processing, 3D and stereoscopic visualization, photogrammetry, industrial automation, full software life cycle, agile development (SCRUM, SAFE), continuous integration.

Gino Iannantuoni

Product Support Lead (Montreal, Canada)

Electronics Technologist D.E.C. (Dawson College)

Dealer and customer-focused professional with over 20 years of experience in the mining industry for applications mainly on large blasthole drills. Responsible lead for product support activities, Continuous Product Improvement (CPI), as well as Assisting engineering teams on New Technology Introduction (NTI) using Agile methodologies.

Virajkumar Gohil

Mechanical Engineer (Montreal, Canada)

M. Eng Mechanical engineering (Concordia university), pursuing P. Eng (PEO)

Mechanical concepts, design & drawing, simulations, project management, EHS, validation and verification of design concepts, integration of mechanical design & drawings into company systems, component sourcing, assembly & manufacturing.