

Large Diameter Piping Division

Water Systems Infrastructure
and
Hydro Power Projects



Who we are:



Stasuk Testing & Inspection Ltd. is a wholly owned and operated Canadian company incorporated in British Columbia since 1976. Our team specializes in Non-Destructive Testing, QA/QC programs and related Engineering Services for metal weldments, castings and forgings fabricated with structural and pressure vessel quality steel as well as various alloys and exotics.

Our British Columbia offices are located in Burnaby (head office) and Prince George with affiliate offices in the United States. We provide inspection services in over 10 countries worldwide in all industries and conditions. Stasuk has a full time dedicated staff of qualified engineers, lab and field technicians who provide expertise in inspection and testing methods.

The President Mr. David Stasuk, P. Eng is certified to ASNT NDT Level III by examination. Mr. Stasuk is also a CGSB NDT Level III in Radiography, Ultrasonic and Magnetic Particle and CWB Level III to W47.1, W59, Z662, B31.3, ASME VIII, ASME IX. He is a member of the CGSB National Certification Committee for Certification of Non-Destructive Testing Personnel and the Advisory Committee for Natural Resources Canada CANMET R & D Department.

We have an in-house Research and Development Team of engineers that are dedicated to providing high speed automated ultrasonic systems for corrosion mapping and weld inspection. Stasuk Testing currently holds Canadian & US patents on automated digital Ultrasonic imaging scanners and comprising unique systems for special applications requiring a high degree of accuracy and repeatability.

Our large staff of full time NDT Technicians and Welding Inspectors are certified to the Canadian General Standards Board (CGSB), American Society of Non-Destructive Testing (ASNT) or Canadian Welding Bureau (CWB). For specialized techniques (such as automated Ultrasonics), technicians have to demonstrate competency in applying the various specifications and procedures on the actual sample items to be inspected. We also provide Coating inspectors certified to NACE and SSPC.



Stasuk Testing & Inspection Ltd. is a prominent service provider in the inspection industry for over 35 years. Our inspectors have worked in over 10 countries on various annual inspection programs and projects.

Capabilities

Stasuk Testing & Inspection Ltd. is wholly Canadian owned, based in Burnaby, BC with offices in the US and Canada. We hold corporate certifications in the following areas.

- BC Safety Authority Pressure Vessel Branch (ASME Authority)– Testing Agency
- Canadian Welding Bureau – 178.1 Welding Inspection Organization
- European TÜV (European Norm EN437) – Pressure Directive

Personnel hold individual certifications or are contributing members of the following:

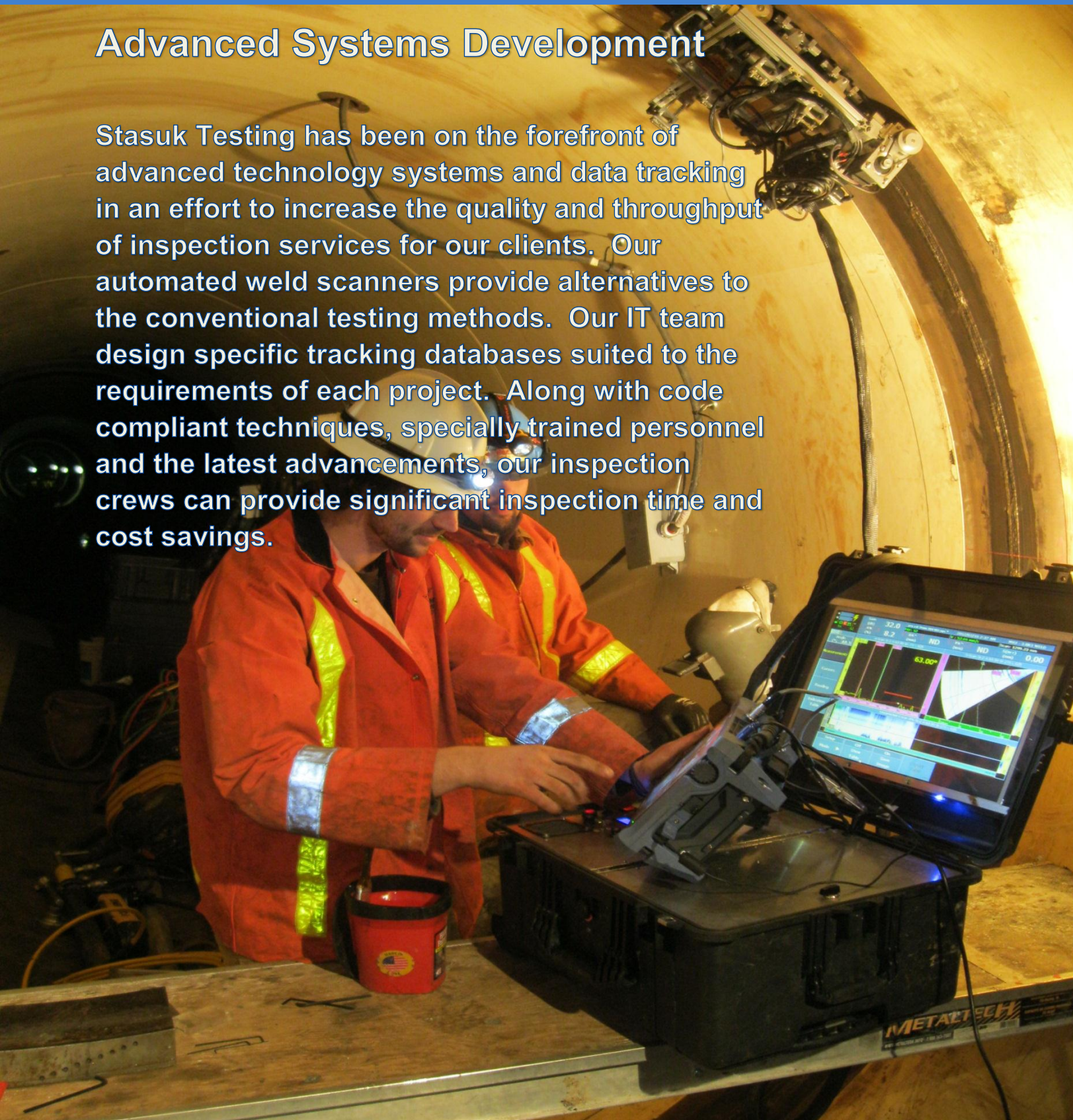
- Canadian General Standards Board (CGSB 48CAN9712) Advisory Council
- Canadian Standards Association (CSA W178.1 & W178.2)
- Canadian Nuclear Energy Commission
- American Society of Mechanical Engineers
- American Standards for Testing Materials
- National Association of Corrosion Engineers
- Association of Professional Engineers & Geologists of BC
- American Petroleum Institute
- International Code Council

Stasuk Testing & Inspection Ltd. provides services including:

- Welding Quality Assurance Services
- Coating Quality Assurance Services
- Radiographic Testing
- Scanning Electron Microscopy
- Linear Particle Accelerator – High Power X-Ray
- Automatic and Manual Ultrasonic Testing
- Phased Array Scanning
- Magnetic Particle Testing
- Liquid Penetrant Testing
- Visual Inspection
- Positive Material Identification
- Digital Hardness Testing
- Ferrite Testing
- Post Weld Heat Treat – Field and in-house Oven

Advanced Systems Development

Stasuk Testing has been on the forefront of advanced technology systems and data tracking in an effort to increase the quality and throughput of inspection services for our clients. Our automated weld scanners provide alternatives to the conventional testing methods. Our IT team design specific tracking databases suited to the requirements of each project. Along with code compliant techniques, specially trained personnel and the latest advancements, our inspection crews can provide significant inspection time and cost savings.

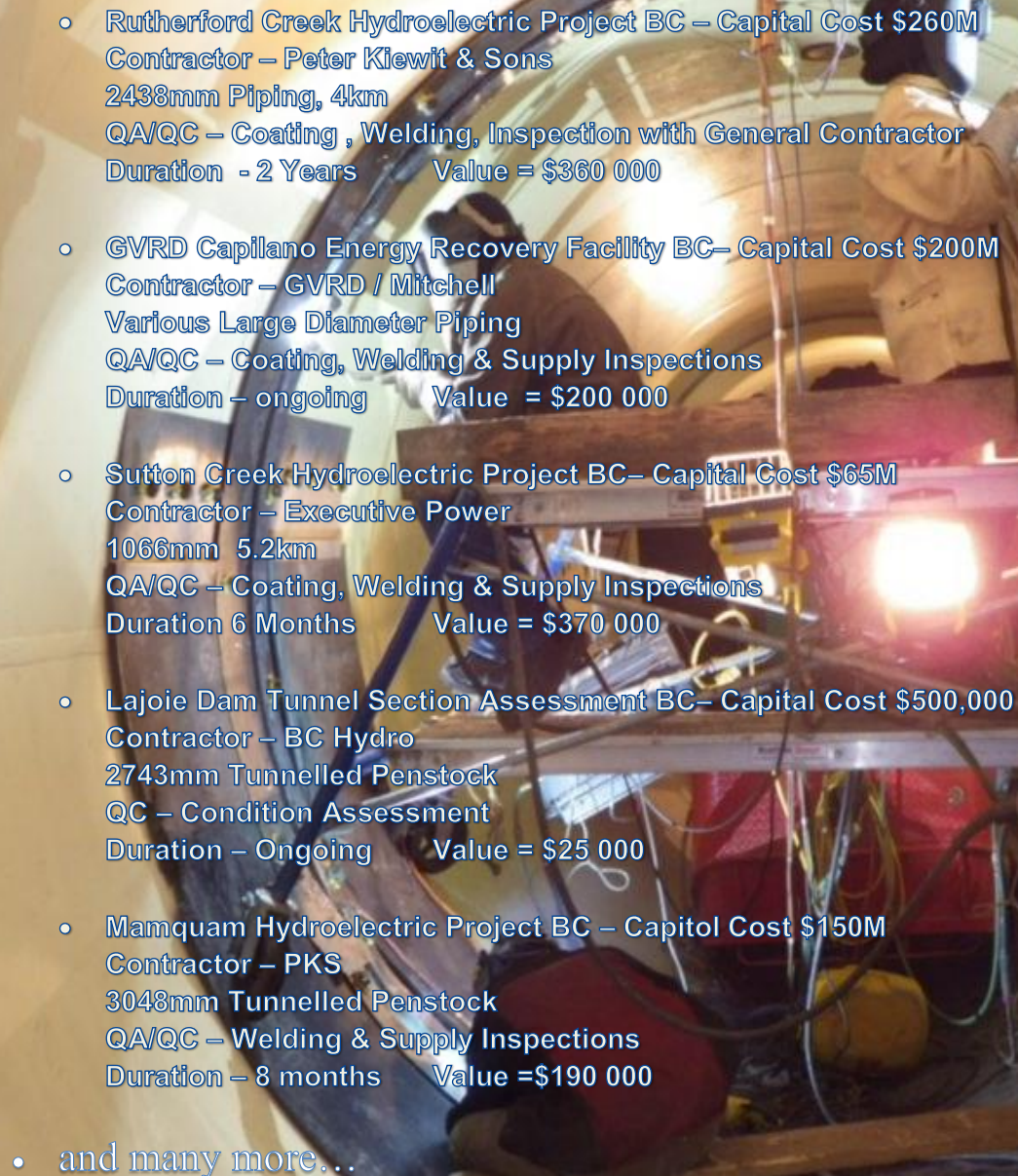


Relevant Experience

Stasuk Testing is a full service company and our proposals have been successful in providing services to projects from as small as \$20,000 piping upgrades to upwards of \$5 Billion super projects in the Alberta Tar Sands. We have worked on over 30 various penstocks and large diameter piping projects throughout British Columbia with recent piping QA/QC projects including:

Recent Penstock and Hydro Generation Project History

- Yukon Hydro Mayo Dam – Capital Cost \$350M
Contractor – Peter Kiewit & Sons
Penstock Runs – 4500mm – 2km
Duration – 1 Year Value = \$240 000
- Capilano Twin Tunnel BC – Capital Cost \$1B
Contractor – Frontier Kemper / Billfinger Berger
2 Tunnels – 3000mm – 8km
QA/QC – Welding, Coating & Supply Inspections, Procedure Engineering, Consulting
Duration – ongoing Value = \$6.6M
- Kemano Backup Tunnel BC
Contractor – VK Mason / Bechtel
2 Penstocks - 3300mm – 1km
QA/QC – Welding & Fit-up Inspections
Duration – Ongoing
- John Hart Generating Station – Penstock Assessment
BC Hydro Engineering
3 Penstock Runs – 4000mm – 6km Total
Condition Review – Abutments, Steel condition, Coating condition, Surface contaminations
- Toba Valley Power Project BC – Capital Cost \$700M
Contractor – Peter Kiewit & Sons
2 Penstock Runs from 3048mm – 6km
QA/QC – Welding Inspection
Duration – 2 Years - ongoing Value = \$450 000
- Cloudworks Harrison Power Project BC – Capital Cost \$600M
Contractor – Peter Kiewit & Sons
5 Penstock Runs from 1600mm-2438mm – 16km
QA/QC – Coating, Welding Inspection
Duration – 3 Years Value = \$350 000

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- Rutherford Creek Hydroelectric Project BC – Capital Cost \$260M
Contractor – Peter Kiewit & Sons
2438mm Piping, 4km
QA/QC – Coating , Welding, Inspection with General Contractor
Duration - 2 Years Value = \$360 000
 - GVRD Capilano Energy Recovery Facility BC– Capital Cost \$200M
Contractor – GVRD / Mitchell
Various Large Diameter Piping
QA/QC – Coating, Welding & Supply Inspections
Duration – ongoing Value = \$200 000
 - Sutton Creek Hydroelectric Project BC– Capital Cost \$65M
Contractor – Executive Power
1066mm 5.2km
QA/QC – Coating, Welding & Supply Inspections
Duration 6 Months Value = \$370 000
 - Lajoie Dam Tunnel Section Assessment BC– Capital Cost \$500,000
Contractor – BC Hydro
2743mm Tunnelled Penstock
QC – Condition Assessment
Duration – Ongoing Value = \$25 000
 - Mamquam Hydroelectric Project BC – Capital Cost \$150M
Contractor – PKS
3048mm Tunnelled Penstock
QA/QC – Welding & Supply Inspections
Duration – 8 months Value = \$190 000
 - and many more...

For quality services and information contact our head office:

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email: info@nde.net