Nilex is committed to working with our clients to unearth better results on their civil, environmental, and construction projects by applying the latest engineered, technically advanced materials and construction techniques in five key application areas:

- Roads
- MSE Walls & Slopes
- Erosion & Sediment Control
- Water Management
- Containment

We have built strong relationships with many different types of clients, including Resources and Power Companies, Government Agencies, Airports, Transit and Rail, Contractors and Developers.

Our experience in the geosynthetics industry and our commitment to the environment, dates back to 1977. Today, Nilex continues to provide smart, innovative solutions that lessen the environmental impact of a project, while providing an economic advantage to our clients.

Simply stated, it’s a better way of building.
Erosion control should be considered in the initial planning phase of a project. Every site has unique characteristics, including topographic features, soil characteristics, climatic variances, and vegetation that affect the rate and type of potential soil erosion. Construction activities usually disrupt these characteristics, making the site susceptible to erosion and sediment loss. If left uncontrolled, sediment can run into waterways, destroying fish habitats, and negatively impact water supplies, flood control, navigation, and recreational activities.

Nilex’s engineered, geosynthetic erosion and sediment control products are designed to reduce the damaging effects of rainfall, stormwater run-off, wind, and wave action on soil structures. These products often replace or reduce the dependency on scarce natural resources, such as rock riprap, providing further environmental benefits and significant cost savings.

Nilex’s wide range of erosion control products provide clients with the ability to meet specific temporary or permanent site armoring and vegetation establishment needs.

Quantifiable Savings
Using our proprietary and validated Innovation Calculator, we can calculate the economic and environmental benefits of implementing our geosynthetic products in your civil, resource and environmental construction projects versus conventional construction practices.

Advantages
• Technical – Engineered product line to fit most erosion and sediment control challenges.
• Economical – Less material required. Lower labour costs.
• Environmental – Less need for non-renewable resources. Reduce the carbon footprint.

Types of Projects
• Reclamation
• Conveyance Structures
• Grade Armoring
• Dam/Failsafe Armoring
• Shoreline Armoring
• Slope Revetment

Technical Support
Nilex has a team of experienced Application Specialists, including professional engineers, with in-depth knowledge of their application area. They function across all Nilex regions and can provide assistance in determining the best solution for the challenges you face at any stage of a project.

By engaging Nilex at the earliest stages of your project, our experienced technical support team can assist in developing concepts to support or undertake full construction design, and provide advice and site support to assist you in effectively installing our products and systems.
Nilex’s engineered erosion control products are designed to provide protection to surface soil layers. They are used to control soil erosion and assist with vegetation establishment and reinforcement on projects ranging from critical infrastructure high-flow channels and overtopping structures to manicured residential lawns and golf courses.

Erosion Control Applications

Nilex’s line of erosion control solutions* include:

- Hydromulches & Tackifiers
- Concrete Revetments & Mattresses
- Turf Reinforcement Mats
- Anchor Reinforced Vegetation Systems
- Scour Protection Mats
- Cellular Confinement
- Erosion Control Blankets
- Permeable Check Dams
- Gabion Systems

*Some solutions are location specific and may not be available in all areas. Contact a Nilex office to check availability.
On construction sites, working with poor subgrade soils is a common challenge. Often they do not possess the strength required to support road construction activities and associated traffic loads. Nilex’s geogrid and/or geotextile products, when designed and installed into the subgrade layers of the roadway, provide a stable foundation layer for any permanent or temporary road/working platform. They are used to distribute loads more efficiently, increase the effective bearing capacity of the subgrade, and provide a cost effective alternative to conventional stabilization methods.

Nilex’s line of sediment control solutions* include:

- Permeable Check Dams
- Silt Fence
- Turbidity Curtains
- Wattles
- Water-inflated Dams
- Dewatering Bags
- Inlet Protection

Active construction sites such as roads, forest fire rehabilitation, remediation and reclamation, all present unique sediment control challenges. Unprotected topsoil, particularly on sloping areas, is vulnerable to significant erosion and sediment problems. Erosion and run-off can significantly impact disturbed sites that may not be ready for permanent erosion control measures. Nilex provides a variety of sediment control materials that range in function from protecting construction site perimeters, to slowing stormwater run-off, to guarding catch basin inlets.

*Sediment Control Applications

Some solutions are location specific and may not be available in all areas. Contact a Nilex office to check availability.
Products are only part of any solution. In addition to our Erosion & Sediment control solutions, Nilex offers a wide range of services designed to help our customers get the most from their construction budget.

### Design/Build
Nilex has the experience and capacity to partner with design/build teams providing crucial input to reap significant economies over conventionally designed projects. Whenever materials need to be moved, removed, imported, or protected, Nilex offers innovative options to simply build better, and at lower cost.

### Distribution
Nilex products are available at convenient regional locations across Canada and the US. We offer our customers the availability of in-stock product and speedy delivery, often required to meet changing project deadlines.

### Design Support
Nilex provides professional design and engineering support to help customers utilize Nilex technology and increase project quality and life expectancy while reducing costs.

### Services
In addition to project management and design assistance, Nilex offers the following in-house services to further assist our clients with their projects.

#### Fabrication*
Nilex’s in-house fabrication facility has the ability to convert existing geosynthetic products into custom sizes, including geomembrane seaming and geotextile sewing, to increase the width and/or roll size of the original product to meet the needs of a project. In addition, Nilex can fabricate a wide range of erosion and sediment control materials in custom sizes including silt fence, silt curtains, dewatering bags, etc.

#### Construction/Installation*
Nilex’s Construction group provides construction/installation services for projects where geosynthetics and geoenvironmental products are utilized. Areas of specialization include liner containment systems and erosion control applications. Depending on the size of the project, nature of the work, and owner’s requirements, Nilex Construction can provide services as a subcontractor, general contractor, or joint venture partner.

To find out how Nilex can help you on your next construction project, visit our website at www.nilex.com or contact us at 1.800.667.4811

*Contact Nilex to check on service availability in your area.

**Additional Resources**

- Ditch Erosion Control - Heinsburg, AB
- Canada Olympic Park Erosion Protection - Calgary, AB
- Oshawa, ON (after) Oshawa, ON (before)

*Contact Nilex to check on service availability in your area.*