

**COMPLETE  
ENGINEERING.  
UNPARALLELED  
PERFORMANCE.**



**INTERNATIONAL  
EROSION CONTROL  
SYSTEMS**

**WWW.IECS.COM**



**Offering a rare combination of complete engineering, manufacturing, and direct distribution of our product line is what distinguishes IECS as an industry leader in the design-build civil construction market.**

International Erosion Control Systems Inc. has been providing solutions for storm water management, erosion control issues and pre-cast structures since 1984. Our Cable Concrete® erosion mattress system is unparalleled in performance and backed by extensive engineering and testing.

IECS takes on unique erosion control and pre-cast challenges in all areas of the world with commitment to quality products and service at the forefront. We are always looking to improve our product line, and build upon our success. With more than 3,600 installations worldwide and over 16.5 million square feet of Cable Concrete® on the ground IECS is an industry leader in the design-build industry.

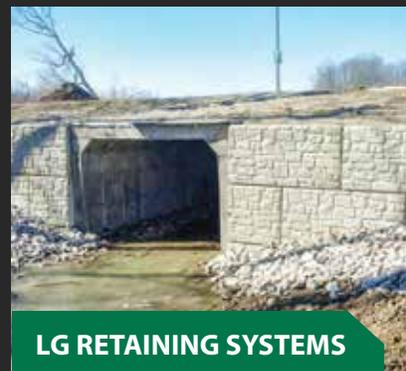
## WHAT CAN YOU EXPECT FROM IECS?

**Innovative thinking and manufacturing of customized products specific to every site's unique challenges. IECS is a multi-tool in an engineer's toolbox during the design phase of any given project.**

- Over 30 years of experience
- Family owned and operated
- Responsive customer service with the flexibility to meet your project needs
- Customized manufacturing abilities to fit the requirements of any project
- Quick turnaround time and large inventory of all product lines
- Design/build capabilities
- Turnkey solutions for ACB design; from detailed design review; on-site assistance, and final installation site review – FREE OF CHARGE

## AVAILABLE PRODUCTS

**International Erosion Control Systems Inc. has a complete line of solutions for storm water management, erosion control issues and pre-cast structures.**





## ARTICULATED CONCRETE BLOCK SYSTEM

Engineered as an alternative to loose rock rip rap, Cable Concrete® is an articulated concrete block revetment system, developed by International Erosion Control Systems, to control various types of erosion due to water, wind, or vehicular traffic.

## FEATURES + BENEFITS



### Up to 40% open area

Provides a complete vegetation regrowth habitat, and enhances aesthetics while providing permeability and water treatment measures.



### Cables cast in both directions into wet cast air entrained concrete

Provides increased block-to-block connection strength and allows for easy on-site modifications.



### Completely stainless steel cable/clamping system

Built to withstand harsh environments and provide superior corrosion resistance to salt and uv degradation.



### Pre-attached site specific non-woven geotextile

Makes for quick and easy on-site installation.



### Cable loops on all 4 sides

Delivers quick, secure and safe mat-to-mat connection.



# SEE THE DIFFERENCE WITH CABLE CONCRETE

**Cable Concrete is the stable choice when it comes to erosion control design requirements.** This prevailing technology is an engineered system designed to be superior to loose rock.

## APPLICATIONS

Unlike other products, Cable Concrete can provide a wide range of solutions to a variety of applications such as:

- Riverbank Protection
- Channel Lining
- Lagoon Protection
- Access Roads
- Culvert Inlet/Outlet Protection
- Pond Lining
- Low Water Crossings
- Overflow/Weirs
- Spillways
- Pipeline Protection
- Dam Overflow/Intakes
- Boat Ramps





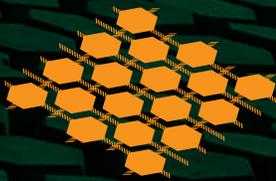
## REDUCE INCOMING DELIVERIES BY UP TO **18:1**

Reduce wear and tear on your local roads and greatly reduce scheduling delays (truck slides).

## **40%** OPEN AREA FOR VEGETATION REGROWTH



Provides access, land usability and ability to perform cosmetic maintenance.



## LARGE ANCHORED & FULLY INTERCONNECTED SYSTEM

Increases stability, performance and eliminates movement compared to loose non-connected systems or loose rock which can be displaced.



**We have been very satisfied with the overall performance of the 'Cable Concrete' product for our erosion control needs, and will continue to specify this product where it can provide an ideal solution."**

*– Project Engineer, Amec Foster Wheeler*

# COUGAR CREEK BANK STABILIZATION

CANMORE, AB



**After the devastating 2013 flood suffered in Alberta, Canada,** remedial works were conducted to rebuild the Cougar Creek Channel. IECS extensively engineered Cable Concrete to the specific design dimensions of the new channel and the hydraulics pertaining to the Cougar Creek watershed. Cable Concrete was then implemented to line the banks to protect the channel from further erosion should another flood occur.

## CABLE CONCRETE® SPECIFICATIONS

SYSTEM	MINIMUM BLOCK WEIGHT		MINIMUM BLOCK HEIGHT		OPEN AREA %
	kg/sm	lbs/sf	mm	inches	
CC G2	122.22-136.89	25-28	80-88	3 1/8- 3 7/16	40
CC 35	180.65-195.30	37-40	114.3-127.0	4 1/2-5	20
CC 45	229.47-253.88	47-52	139.7-152.4	5 1/2-6	20
CC 70	351.53-380.83	72-78	215.9-228.6	8 1/2-9	20
CC 90	439.12-463.83	90 -95	215.9-228.6	8 ½ - 9	20

**LEED CERTIFIED:** Cable Concrete is not only a great solution for soil erosion and habitat restoration but also for designing LEED certified projects. By using Cable Concrete in your design, your project can qualify for the following LEED credits:

- CREDITS**
- 5.1 Protect or Restore Habitat
  - 5.2 Maximize Open Spaces
  - 6.1 Storm Design Quantity Control
  - 6.2 Storm Design Quality

# RESEARCH & DEVELOPMENT

IECS is committed to product excellence. As a leader in the ACB industry, we have done extensive engineering, research and product testing to ensure you get the very best in performance. Here are some of the R&D initiatives we have taken part in:

- Detailed hydraulic analysis program developed from university testing conforming to ASTM D7276-16, D7277-16 & FHWA-RD-89-199
- Wave Impact testing in accordance with Coastal Engineering Manual, US Army Corps of Engineers EM 1110-1100
- Block wave impact testing compared to analytical results generated by the "Anamos Stability Revetment Program" developed by Delft Hydraulics
- Conforms to HEC 23 & NCMA TEK 11 design guideline manuals for ACB Systems

## HERE'S WHAT SOME OF OUR CUSTOMERS ARE SAYING

Our clients and ourselves have been satisfied with not only the performance of the product in application, but also with the level of service IECS has provided during the planning, design, and construction phases of these projects."

*– Project Manager, Worley Parsons*

We support International Erosion Control Systems' Cable Concrete product. We have successfully used this product on previous projects and would like to have the option of specifying it on future projects."

*– Water Resource Engineer, Stantec*

# OUR GLOBAL PRESENCE

International Erosion Control Systems Inc. has been servicing the Global erosion sediment control (ESC) markets with local presence available. We reinvest in local economies by creating local manufacturing jobs.

## HEAD OFFICE

22295 Hoskins Line  
Rodney, ON N0L 2C0

## ALBERTA OFFICE

#300 -160 Quarry Park Blvd. SE.  
Calgary, AB TC2 3G3

## SASKATCHEWAN OFFICE

10321 8th Ave. E.  
Humboldt, SK S0K 2A0

## USA OFFICE

3030 N. Rocky Point Drive, Suite 150  
Tampa, Florida 33607

## AFRICA OFFICE

182 Moshood Olugbangi Street  
Victoria Island, Lagos



FOR MORE INFORMATION, CONTACT US AT: 1-800-821-7462 | [IECS.COM](http://IECS.COM)