





Our Company

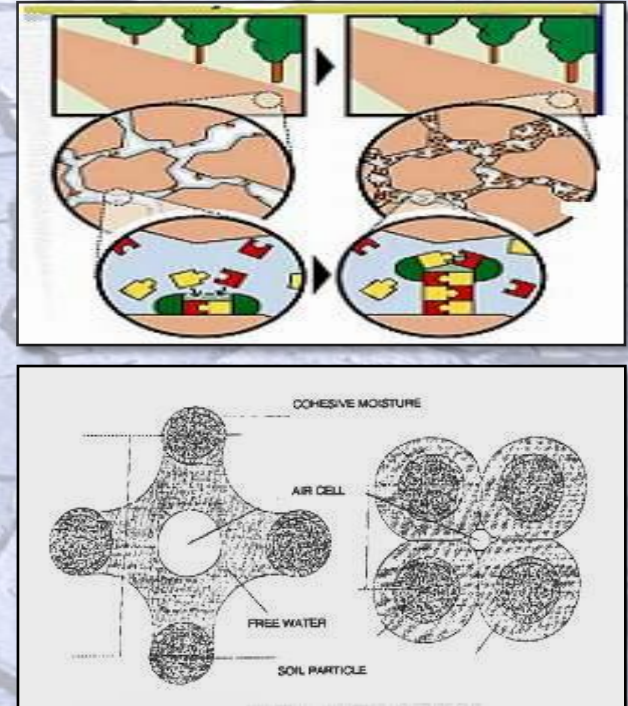
Greenway Ltd is an engineering consulting company that specializes in supplying turnkey solutions, which includes: engineering, managing and supervising of infrastructure and construction projects, while using environmentally-friendly enzyme technology.



The Technology

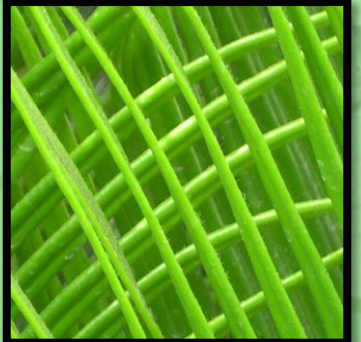
The source of the enzyme material is from plants. Its dilution with water while mixed with soil creates stable ground. A few hours after the mixing, deploying and tightening, a CBR suitable for vehicles passage is ready. As mentioned above, the material is environmentally-friendly.

Soil Mineral





Fields of activities



- ☐ Agricultural roads.
- ☐ Urban roads and urban infrastructure.
- ☐ Highways.
- ☐ Drainage water channels and water reservoirs.
- ☐ Bricks for construction.
- ☐ Stabilization of slopes and accommodation buildings.
- ☐ Intensification of foundations and base.
- ☐ Airports and parking yards.
- ☐ Agricultural infrastructure.



Enzyme technology offers

A significant reduction of costs.

Stronger and more durable infrastructure.

Faster execution and implementation than traditional procedures.

Green technology.

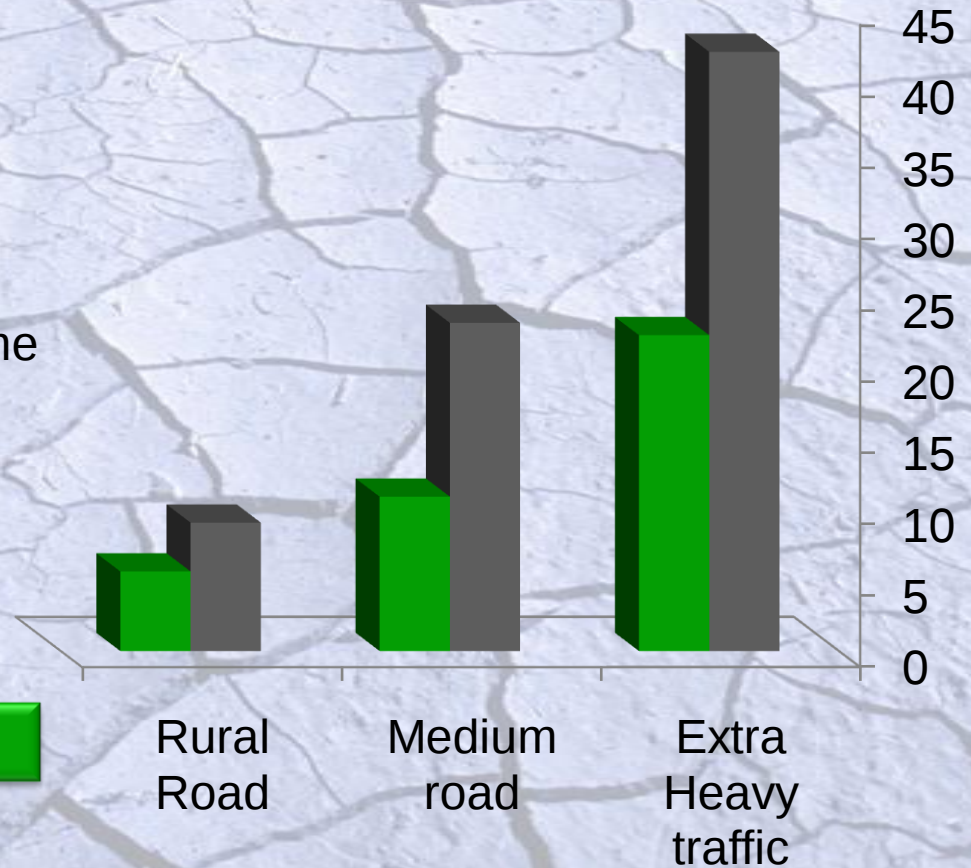




Price Comparison

US \$ Per m²

■ without enzyme technology



Cost details





Road Cost without enzyme technology

	Cost per layer (m ²)	Rural Road		Medium road		Extra Heavy traffic	
		Sub total per m ² (\$)	Layer depth in cm	Sub total per m ² (\$)	Layer depth in cm	Sub total per m ² (\$)	Layer depth in cm
Wearing course Asphalt overlay + (spread & compaction)	4.00			4	5	4.00	5
Binder course (5cm) + (spread & compaction)	4.00					8.00	10
Granular base (20 cm)	4.00			4	20	4.00	20
Spreading&Compaction	2.00			2		2.00	
Base course type A (20 cm)	4.00	4	20			4.00	20
Spreading&Compaction	2.00	2				2.00	
Base course type B [20 cm * (till max. depth required)]	3.00			6	40	9.00	60
Spreading&Compaction	2.00			4		6.00	
Clearing (cut&fill)	1.00	1		1		1.00	
Compaction	2.00	2		2		2.00	
Total road depth			20		65		115
Traditional method Cost	Asphalt cost			4.00		12.00	
	Basa & subbase cost	4.00		10.00		17.00	
	Fill & spreading & compaction cost	5.00		9.00		13.00	
	TOTAL Cost per m²	9.00		23.00		42.00	

The data is given for illustration purposes only



Road Cost with enzyme technology

	Cost per layer (m ²)	Rural Road		Medium road		Extra Heavy traffic	
		Sub total per m ² (\$)	Layer depth in cm	Sub total per m ² (\$)	Layer depth in cm	Sub total per m ² (\$)	Layer depth in cm
Wearing course		Rural Road		Medium road		Extra Heavy traffic	
Asphalt overlay + (spread & compaction)	4.00			4.00	5	8.00	10
Clearing (cut&fill)	1.00	1.00		1.00		1.00	
Grading&Mixing&Spreading solution&Compaction	3.00	3.00		3.00		6.00	40
enzyme solution&supervising	3.32	2.08	10	3.32	20	6.64	20
enzyme spase depended	0.75	0.75		0.75		0.75	
Enzyme technology method Cost	Asphalt cost			4.00		8.00	
	Enzyme solution 1	2.08		3.32		6.64	
	Enzyme solution 2	0.50		0.50		0.50	
	Clearing&Grading&Spreading Mixing&solution &Compaction	3.00		3.00		7.00	
	TOTAL Cost per m ²	5.58		10.82		22.14	

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Price Comparison

	Rural Road		Medium road		Extra Heavy traffic	
	Cost Saving per m2(\$)	Percentage on cost saving	Cost Saving per m2(\$)	Percentage on cost saving	Cost Saving per m2(\$)	Percentage on cost saving
Saving on Base course	3.43	38%	12.18	64%	15.86	53%
Saving including Asphalt	3.43	38%	12.18	53%	12.18	47%
Time Saving	1.25	25%-50%	2.25	25%-50%	3.25	25%-50%
Total saving per m²	4.68		14.43		15.43	
Maintenance Saving (5 years)		25%-90%		25%-90%		25%-90%

** The data is given for illustration purposes only



Up coming projects – 1

Baljoi- The project in Romania by ADAMA company

Part A – 1km - 4,000 m² -24/9-28/9 ended

Israel –negotiations with Keren Kayemeth Lisraeil
part of 32km of road in Carmel park .

Kazakhstan- connection with MIDAGI HOLDING B.V
leader companies for traffic light installations.





Up coming projects - 2

A recycling symbol consisting of three green arrows forming a triangle, with a small globe of the Earth in the center, set against a blue sky background.

Israel – advanced negotiations with HELA group
1,200 dunam in Gilboa industry area.

A close-up photograph of green leaves with water droplets, showing a vibrant green color and a slightly blurred background.

Guatemala – three projects of popular housing
each one of them contains 115 units and the
infrastructure development of the area.

A photograph of a winding asphalt road with white lane markings, surrounded by lush green trees and vegetation, leading into a forest.

Andorran –project of popular housing of 1000 units
for the government.



Test cases of road construction using the enzyme technique-

The Beljoi Experiment 09-2008



After 28 day

23/10/08

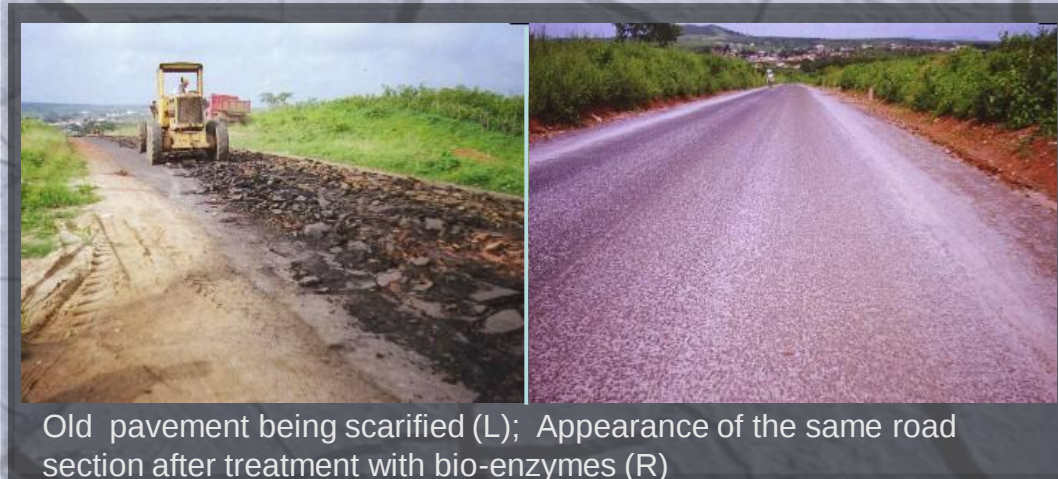
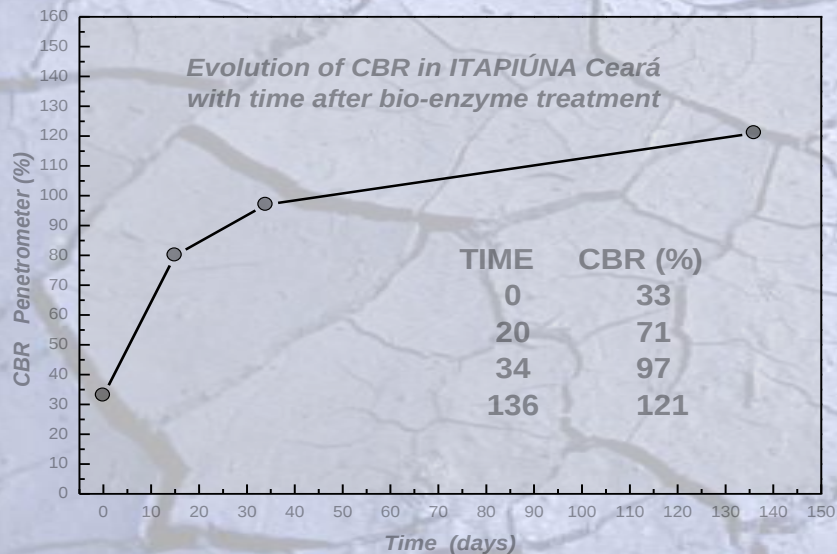




Experimental projects

Capistrano - Entroncamento CE-456 (Municipal District of Itapiúna, State of Ceará) March of 2000

The average characteristics of the material of the base with bio-enzymes, according to the consultant responsible for the trials, are presented below. The treated section has more than 130 days traffic usage, with no surface defects.



Old pavement being scarified (L); Appearance of the same road section after treatment with bio-enzymes (R)



Housing and building

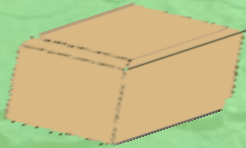
Bricks with enzyme technology

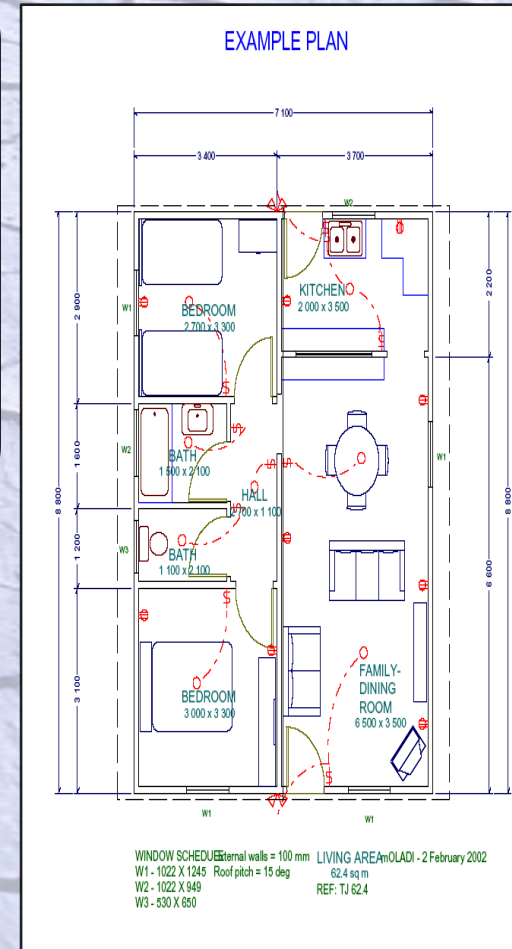
Our building houses technology is based on Enzyme-formula the application is done by mixing the in-situ soil with enzyme and production of blocks on-site

The advantages are as followed:

Blocks are made from the local soil

- Create blocks on-site using block machine
- Using local labor force
- Saving transport and time

W – 140mm L – 120 to 240mm H – 115 mm	W – 140mm L – 120 to 240mm H – 115 mm	W – 220 mm R – 140 mm	W – 220 mm L – 120 to 240mm H – 115 mm	W – 220 mm L – 120 to 240mm H – 115 mm
				





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