

Innovative device to save fuel

Scientific breakthrough for cooling industry



**Eco-kor saves energy and fuel
spent for cooling and
makes the world healthier**

The Patents:
IL2017/051383
IL2019/050518
Include national
phases



Strong Intellectual property portfolio

Number	Status	Description
IL2017/051383	PCT/National stage submitted in USA, EU, India, China, Korea & Japan	Combined-Type Cascade Refrigerating Apparatus
IL2019/050518	PCT/National stage submitted in USA, EU, Japan, India, China, Korea, Singapore, Mexico, Australia, Brazil and Vietnam	Multi Cascade Cooling System
254616	ISR/Patent	Combined-Type Cascade
260159	ISR/ Final Published	Multi Cascade Cooling System



What is Ecokor?

We are using a novel and patented multi-cascade for improvement in the efficiency of the refrigeration cycle. . **We include clever algorithms which continually optimize performance according to ambient temperature.** Ecokor is placed between the compressor and the fridge or area that needs to be cooled with advanced switching schedule decrease energy consumption and prolongs lifetime.



Eco-kor Transport

Multi-cascade system
Which allows to reduce fuel
consumption
And truck cooling time.

The Eco-kor provides fuel
savings of 15% -38%
(depending on climate terms and
kind of refrigeration truck)



Fuel Saving Data (Israeli Climate Terms)

The product	Temp. Cool	Summer	Winter	Spring/Fall
Eco-kor Standard	+4°C	19%-22%	8%-11%	12%-18%
	-18°C	22%-26%	12%-15%	16%-21%
Eco-kor Hybrid	+4°C	23%-27%	13%-17%	17%-22%
	-18°C	30%-38%	18%-22%	22%-29%



The Addressable Market

Refrigeration is essential for the food and pharmaceutical industries
and our systems are relevant for most sections of the market

Supermarkets



Cold Warehouses



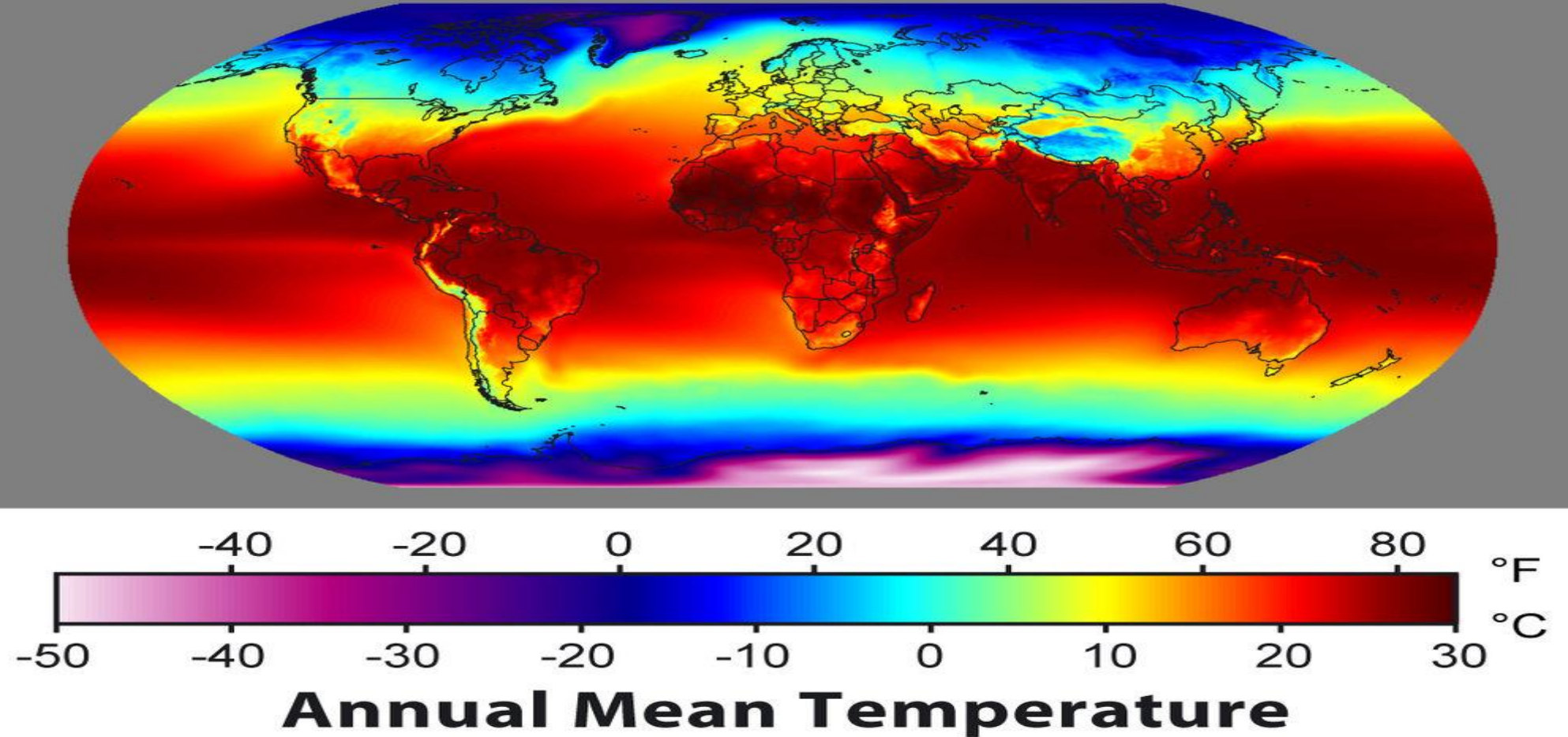
Food & Pharma Plants



**Refrigerated
Trucks and Container**



Saving rates in different climate zones



Saving rate	Frozen	Cold	Saving rate	Frozen	Cold
	32%-38%	20%-24%		12%-15%	8%-10%
	22%-28%	15%-18%		8%-10%	5%-7%
	18%-20%	12%-15%		N/A	N/A

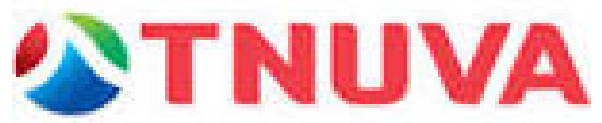
Where it works



SALEH DABBACH



MILUOF



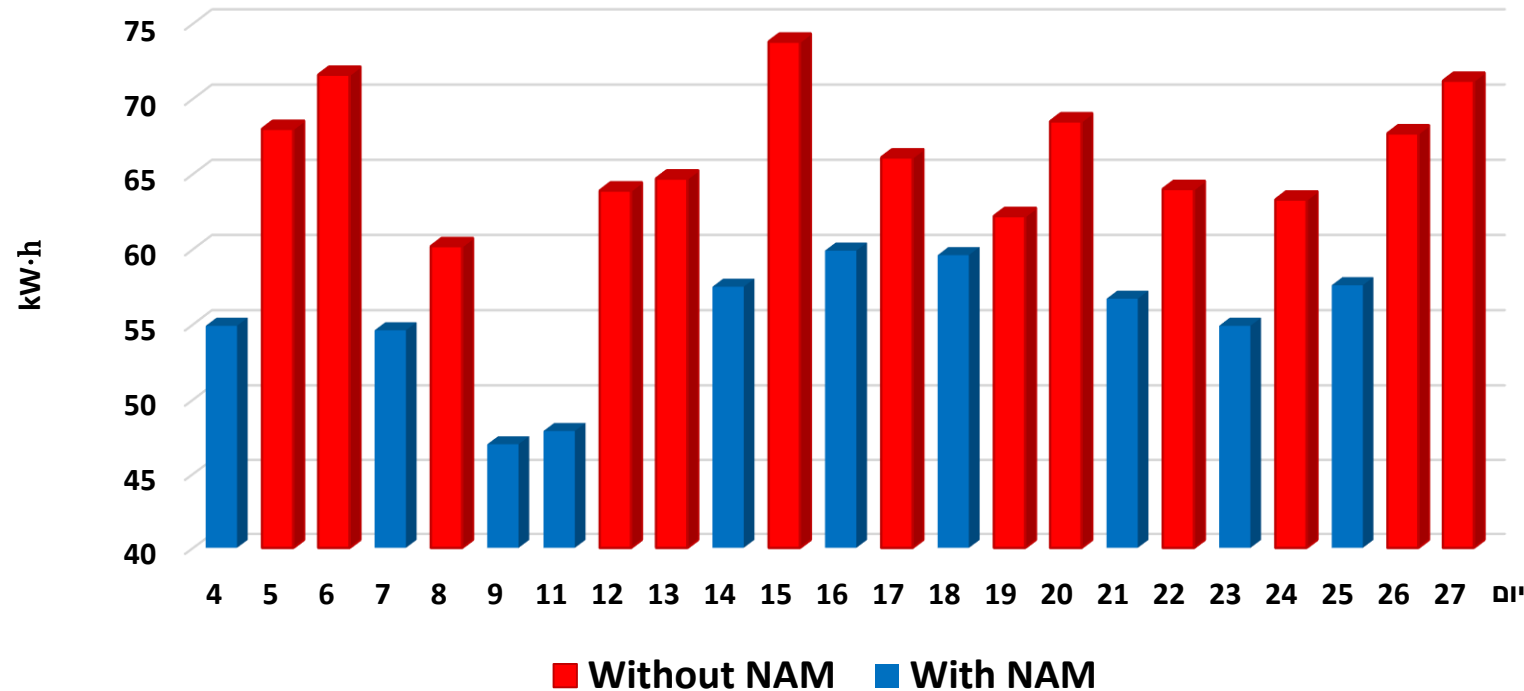
The Tnuva Pilot – Ecokor Mobile

New Authentic Mechanics

NAM
TECHNOLOGY



Test result of energy saving in Israel



Net saving of 19.6% and gross saving of 27.9% for annual average -20 °C temperature

Information for cooperation



Ecokor Stationery	Ecokor Mobile
<ul style="list-style-type: none">• The volume and capacity of main cooling equipment;• Storage utility dimension;• Storage and freon boiling temperature;• Type of cooling agent (freon);• Type of cooling (water, air);• Type of cooling equipment.	<ul style="list-style-type: none">• Type of truck;• Type of activity: long routes, local distribution;• Storage temperature;• Area of work and routs;• Working hours in year;• Type and manufacturer and TRU;• Amount of trucks.



When we using the
technology, we developed,
we will save energy,
electricity and fuel.
And no less important,
We will keep a cleaner
world together

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