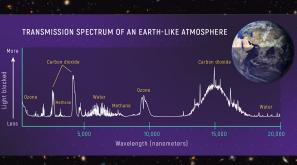
International Institute of Technology

"We accomplish what others cannot accomplish and go where others cannot go"

I2T Fotovoltaic Technology

In our research Lab, we analyzed starting from the NASA James Webb Space Telescope, developed in partnership with ESA and CSA, the transmission spectrum of our atmosphere. We have studied absorption peaks related to the elements composing it.



State of the art fotovoltaic technology converts with an average efficiency of 20% only the visible part of the light spectrum ranging from 380nm to 700nm. All the remaining part of the energy spectrum is transferred to the photovoltaic solar panel in forms of heat, decreasing drastically its performance.

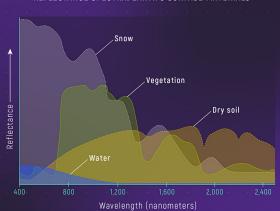
Furthermore, there is also an hidden problem related to the reflected light from the surrounding environment...

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I2T Fotovoltaic Technology

Reflectance spectra shows how most of the energy goes into the infrared spectrum that traditional photovoltaic technology is not able to convert.





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I2T MARK2 Research

We have developed after many years of research and development in collaborations with TOP universities and research centers a nanostructured material able to exploit a broader fraction of the light spectrum



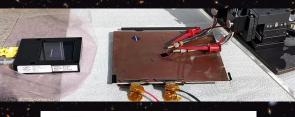
I2T MARK2 Revolutionary Approach

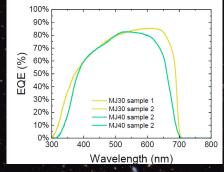
The way we have achieved outstanding efficiency results is by playing with interference and from many small low energy waves achieve as a result the conversion of a small number of high-energy waves converted into electricity by a specifically studied direct bandwidth nanostructured material



I2T MARK2 Experimental Testing

We have tested the material in collaboration with KIWA and the University of Padova in different scenarios with resulting efficiency higher than 80%



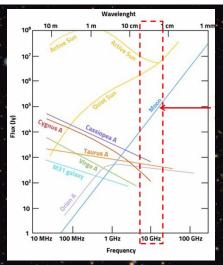


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I2T Technology Works at Night

Night sky is full of energy in terms of low energy radiations under the spectrum of infrared and microwaves, and in some specific frequencies their power can be greater than the one of the sun.

The developed nanostructured material has been designed to empower these frequencies to be able to produce energy also during the night.



I2T High Density Energy Conversion

I²T Mark2 very important ability is the conversion of concentrated energy into electricty. The material is able to convert up to 640KW/m² as well as it irradiated with the appropriate incoming power density. This property allows the fabrication of concentrating parabolas of low fabrication and installation cost while minimizing the I²T Mark2 nanostructured material construction.



I2T MARK2 Revenues

Case study: 1Hectare Power Plant

Standard:

Power :1MW

Fotoactive Material (1MW) : 5000m² Revenues (1 year) : 150 000 €

Revenues (20 years) : 3 Million €

I2T Mark1:

Power : 2MW

Fotoactive Material (1MW) : 4000m² Revenues (1 year) : 300 000 €

Revenues (20 years) : 6 Million €

I2T Mark2:

Power :8MW

Fotoactive Material (1MW) : 1.56m² Revenues (1 year) : 5 Million €

Revenues (20 years) : 100 Million €

I²T Mark 2 Technology is the key technology to empower energy transition and make it sustainable

I²T Mark 2 Allows also a power production during the night by minimizing the need for storage systems

I²T Mark 2 Technology is not relying on rare-earth elements such as COLTAN

Structured Production Partners

Technology is patented worldwide and exploitation rights are then given then to STRUCTURED COMPANIES for mass production and only royalties are asked as revenue.

ROYALTIES ARE 100% RE-INVESTED to push mankind forward Our Partners in Corea, China, Japan, Switzerland, California, UK, Italy and France are succesfully helping us in our Mission



Certified Production





Product Certificate Photovoltaic (PV) Panels

License holder: IZT SA Via Bakerra 15A, 8900 Lugeno - Switzerland

Production site(s): PKC0012892

Model(s): (2T-39, (2T-36, (2T-30, (2T-30, (2T-27, (2T-33, (2T-30, (2T-28, (2T-28, (2T-28, (2T-28, (2T-30, (2T-

The product as listed in this certificate and marked with the below given Kiwa Cermet Italia mark for Photovoltaic. (PP) Panels, can be considered complying to the requirements of Kiwa Cermet Italia Quideline "TD Ni – GAQE. Solar Products and Components" it based upon the following spacets:

Laboratory tearing of the panels, which are performed by an accredited laboratory in accordance to ISQ/EC 17025 see enters, using the following standards:

- Terresonal photovolata (PM) modules Design qualification and type approval Part 1. Test requirements

 IEC 81215-11-2016 (EN 61215-1-12016)

 Terrestral photovolata (PM) modules Design qualification and type approval Part 1-1: Special
- requirements for testing of crystaline silicon photovoltaic 9V) modules
 IEC 61215-2:2016 / EN 61215-2:2017
- Tenestrial photovotaic (PV) modules Design qualification and type approval Part 2: Test procedures

 EC 81730-1-3005 (EN IDC 61730-1-3006)
- Photovoltaic (PV) module safety qualification Part 1: Requirements for construction • IEC 61730-2-2016 / EN IEC 61730-2-2018
- Photovoltaic (PV) module selety qualification Part 2. Requirements for testing Remarks to be used in plants at a maximum system voltage frice at STC1 up to 1000 Vdc Class (it fire test (EC 61/30.2.)

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Periodic Inspection of the Factory shells, according to "TD KI - 0409", which includes:

• inspection of the negraticating quality control and production procedures:

- inspection of the menufecturing quality control and production procedures;
 inspection of the produced panels and confirmation that these are identical to the tested panels;
- periodic verification of the menufacturer test facilities.

This conditions is issued in accordance with the Kilva Center Italia regulations. Publication of the certificate is witkness.

The validity of this certificate is subject to the positive result of periodic sorveillance visits.

The validity of this certificate can be vertised on request at the following e-mail approase constantial valocement is

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Società con socio unico, sogguita
all'ottività di disezione e
coordinamento di Kiwa Italia
Holding Sri

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Via Cadriano, 201
40/057 Ganarrolo dell'Emilia (S/O)
Tel +30/051 769 33 111
Feo +30/051 769 382
Email Intrafficionerma. A







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Reliable Commercial Partners



Technology is commercialized only by authorized partners. Partners must sell the products providing the full service to end customers.

The policy of our institute is to avoid speculation on the products done by the resale of the asset.

The result is a disruptive technology that goes from the manufacturer directly to the end customer by means of an installation company that is selected in accordance with our values of seriousness and respect

Contacts



We welcome you in our Offices

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email commercial@i2tholding.com

website www.i2tholding.com

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