PRESS KIT

A VIDEO SERIE BY

INES - NATIONAL SOLAR ENERGY INSTITUTE

A **MELTED** PRODUCTION

A vidéo serie produced in order to clarify and spread the vision of INES about changes and revolutions happening in the energy scope.

INES
Contact

Press contact :
Céline COTE
E-mail :
celine.cote@ines-solaire.org
Phone :
+33 7 60 63 24 38

Person in charge of the communication :
Delphine CHERPIN
E-mail :
delphine.cherpin@cea.fr
Phone :
+33 6 45 07 96 41

© MELTED

SOMMAIRE

1

A SERIE OF VIDEOS

SPREAD THE SUN ?

Spread The Sun is a mini-series of 4 episodes. Each episode will involve different stakeholders: a researcher, one of INES' partners and one public commentator.

EP 01 : A NEW ERA

Photovoltaics Solar Energy stands out as a surprising major energy source.

Watch episode

EP02 : MIX OF TECHNOLOGIES

Solar energy is coupled with storage solutions and other energy sources to satisfy the users' needs.

Episode coming soon

EP 03 : HIGH EFFICIENCY - HIGH COMPETITIVENESS

High efficiency photovoltaics technologies are disrupting the competitiveness game.

Episode coming soon.

Episode coming soon

EP 04 : DIGITAL ENERGY WORLD

The energy revolution fits closely with the digital.

Episode coming soon

1 . A serie of videos

1 . A serie of videos

WHY ?

We are producing this series of videos to share our vision of the changes and revolutions taking place in the energy world. In particular, this involves industrial innovations and opportunities..

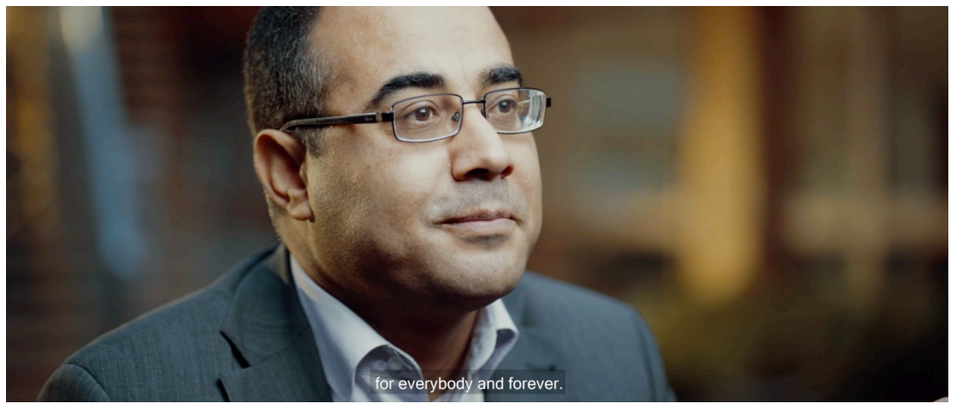
RECOMMENDATIONS

To optimize the dissemination of this mini-series, we would like to share with you a few recommendations.

1. Share the link of the video (on page 5)

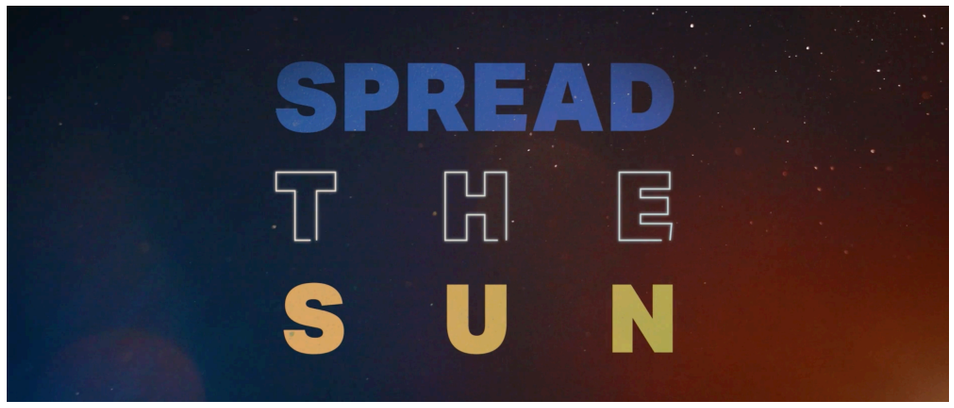
2. Please don’t forget to mention © MELTED in the description of the video you will share.

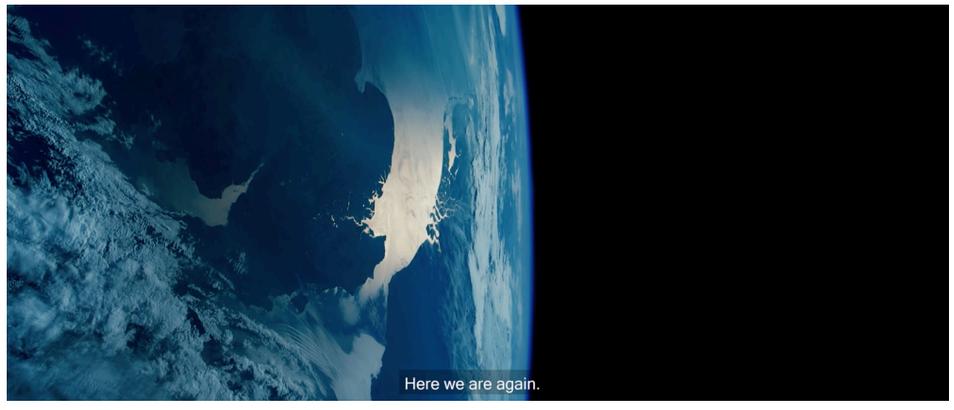
Thank you in advance for your cooperation.



1 . A serie of videos

EDITORIAL





EDITO

Solar photovoltaic, a major source of energy in the world.

Our world is changing. The challenges of the energy transition, the desire for industrial recovery, the appetite for short circuits and new technologies, are opening up numerous opportunities. Better still, some observers and analysts are talking about "Disruption", an energy and environmental revolution underway.

I am convinced that these opportunities must be seized today, in the collective interest and by economic logic.

« We are very optimistic »

Photovoltaic solar energy is the most widely installed energy production technology in the world. Analyses agree on an installed capacity of about 1 TW in 2022 and almost ten times more around 2040. And if there is one thing we know, it is that the reality of solar has always exceeded all forecasts.

Our European markets also have the distinction of being keen on high performance and innovation. This is a new market window for a European industry to rebuild. In particular, the good use of

land is gradually leading investors to favor higher yield and better performance panels, whose initial additional cost is low compared to the gain in operation.

There is therefore room and new opportunities for the industry in France, in Europe and everywhere on the planet. It is accompanied by the rapid development of solar technologies and storage solutions, and benefits from another major revolution underway, that of digital technology.

So what technologies are available today to make a European industry successful?

I invite you to discover the personalities, ideas and technologies that inspire INES researchers, trainers and partners every day. Solar energy everywhere, for everyone, and forever.

Solar energy everywhere, for everyone, and forever.

Anis JOUINI

Head of the Solar Techonologies department - CEA Liten
Chief Executing Officer of INES
Executive Vice-President of ITE INES.2S

3

WHAT IS INES ?

WHAT IS INES ?

INES is a world leader in R&D, expertise and training for advanced solar photovoltaic technologies, their integration into power systems and intelligent energy management.
Our employees and partners are redesigning the future for the energy transition.

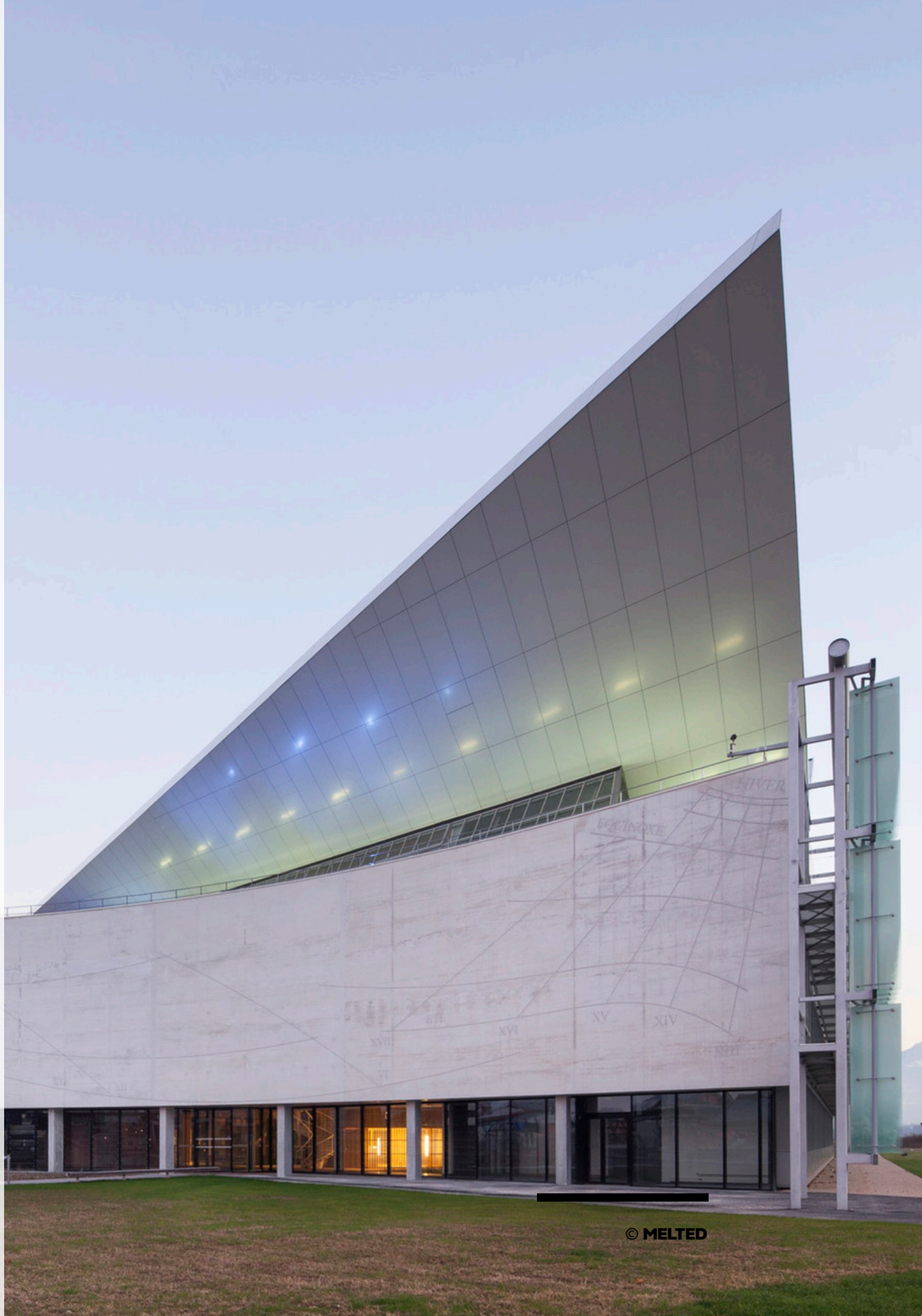
INES is a collective and collaborative initiative, born from the will of public and private actors.

Initiated by the Savoie General Council and the Auvergne-Rhône-Alpes Region in 2005, it brings together teams from the CEA and the Savoie Mont-Blanc University and the Training & Evaluation Platform.

Today, INES has 500 employees on a 22,000 m2 site equipped with the best facilities.

Source :

https://www.ines-solaire.org/decouvrir-ines/



4

INES MISSIONS

- The institute integrates CEA laboratories and joint research units of the University of Savoie Mont Blanc-CNRS that bring their expertise to the industry, from proof of concept to technology transfer.

- INES Formation & Evaluation is dedicated to helping territories and companies strengthen their capacities in the field of solar energy: through training (more than 50), expertise and networking of actors.

- INES is a member of internationally renowned groups and organizations for the development of solar energy and the energy transition. Its numerous collaborations with European and international industrial, academic and institutional players demonstrate every day the role of INES for the development of solar energy in France and worldwide.

© MELTED

5

ACHIEVEMENTS & MAJOR PROJECTS

- ATAMOSTEC (Atacama Module and System Technology) is a private-public initiative supported by CORFO, the Chilean Economic Development Agency. The consortium, created in 2017, seeks to develop technologies for the solar photovoltaic industry, specifically designed for high radiation and desert conditions.
  INES is co-executor of the project, alongside ISC Konstanz and FRAUNHOFER ISE.

- With its high-efficiency Heterojunction photovoltaic technology, INES is the R&D partner for various industrial initiatives in Europe. Among them, ENEL GREEN POWER's 3SUN plant in Sicily, which announced to increase its current production capacity from 200 MW to 3GW, and REC SOLAR's Gigafactory (4GW) project in France.

- INES hosts the Solar Academy Graduate School to work on the integration of solar energy into buildings, by combining training and research at the highest level. This University Research School will open in 2021 and will be an international scientific reference for the integration of solar energy.

© MELTED

- The INES digital platform is an exchange space dedicated to trainees in the solar industry. This tool facilitates interaction for all training courses: face-to-face, 100% online, hybrid (blended learning), or virtual classes. It contains all the elements necessary for the training process: evaluation and collaboration documents, videos, and multimedia supports. Each year, 1000 trainees (designers, operational staff, project managers, teachers) benefit from these digital supports, created and developed by our experts.

6

INES.2S :

THE ENERGY TRANSITION INSTITUTE

INES.2S, launched in 2019, is one of 8 Institutes for Energy Transition (ITE) in France. These institutes are R&D operators, bringing together an ecosystem of public laboratories and private partners, each on a technological field useful for the energy transition.

Its mission is to develop an industrial sector dedicated to the technological, electrical, digital and economic integration of photovoltaic solar energy.

Based on the commitment of seven complementary partners, INES.2S brings together in a consortium the major industrial players in the sector, namely CNR, COLAS, RENAULT and the SME 2CA, the INES PFE training platform, the University of Savoie Mont-Blanc, and the CEA.

The ITE INES.2S is supported by the French government under the "Programme d'Investissements d'Avenir" (ANR-10-IEED-0014-01).

6 . INES.2S

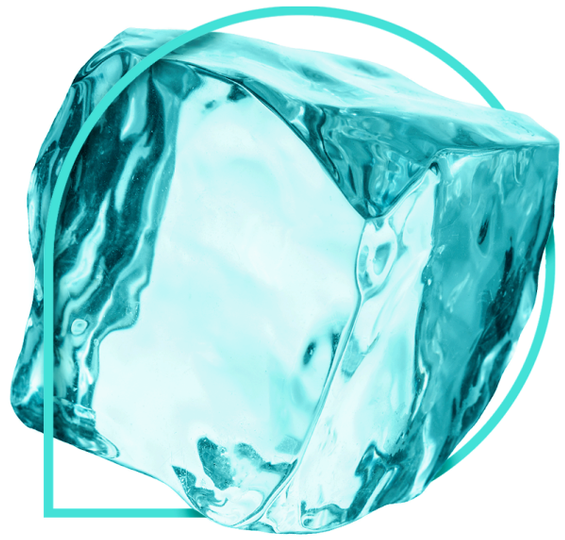
© MELTED

MERCI

KIITOS

KIITOS*

*Ça veut dire « merci » quand on vient de Laponie.



DEFROSTED FOR YOU BY **MELTED**