

xSolAir – Eaton's solar power station

Plug into the sun

Energynomics 06-10-2022

EAT•N

Powering Business Worldwide



Our mission:

Improve the quality of life
and the environment

by using power management
technologies and services

EATON

Powering Business Worldwide



Energy transition – go green now

Electrification of transport

27%

increase in the sector's global electricity demand by 2030

Electricity demand

57%

increase in total global demand by 2050

Renewables

75%

of power generation by 2050

Carbon neutrality

50%

of global GDP is covered by government net-zero pledges



EATON

Powering Business Worldwide

The demand for sustainable energy is rising...

...but not all switchgear is sustainable

xSolAir

Sol: Latin for sun

Air: using air under atmospheric pressure instead of SF₆ gas

Environmentally friendly and compact SF₆-free switchgear

Proven. Safe. Reliable.

Since 1960.



EATON

Powering Business Worldwide

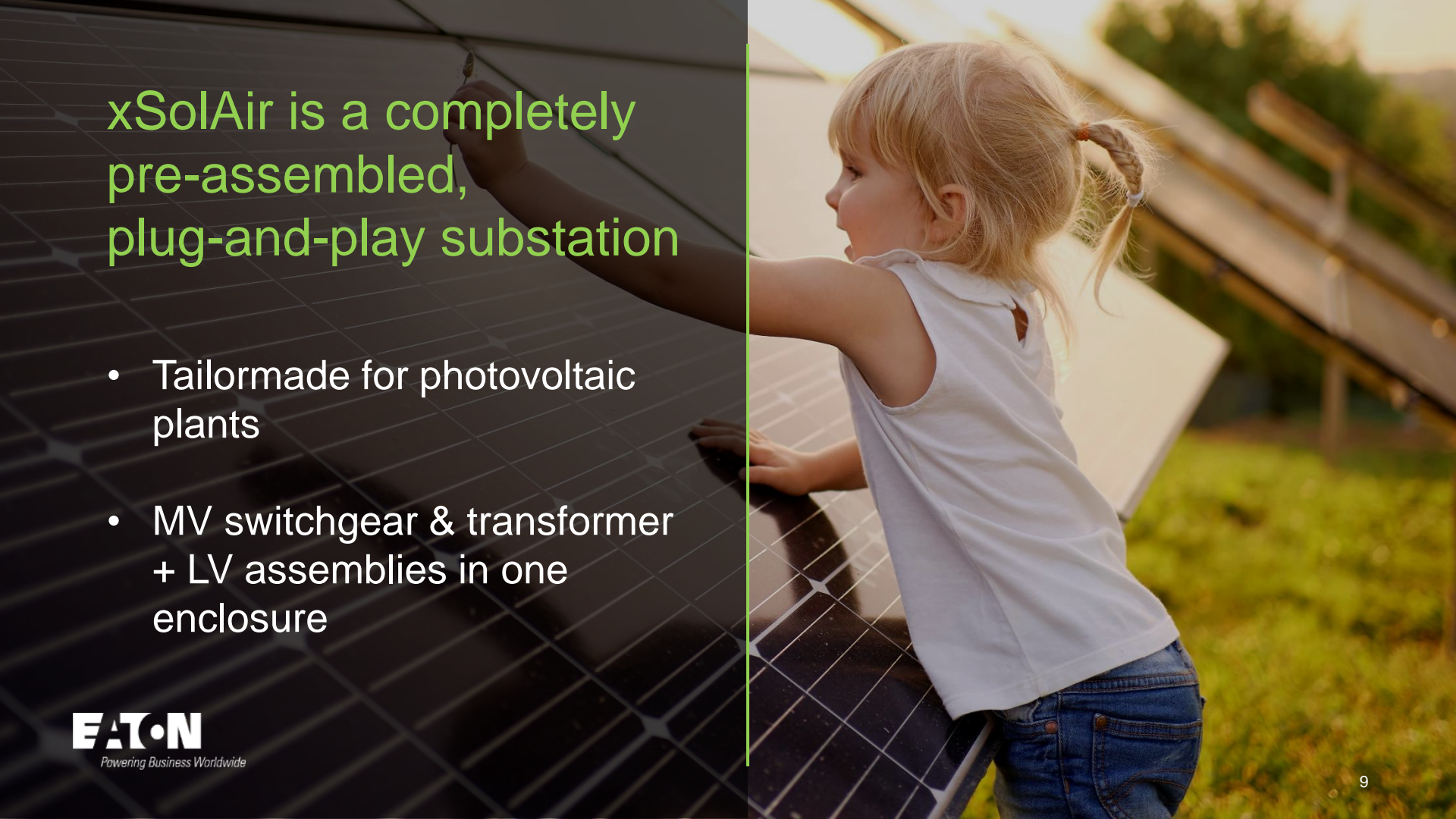
A pair of hands is shown from the bottom, cupping a small amount of dark brown soil. A tiny green seedling with three leaves is growing out of the soil. The background is a soft, out-of-focus green, suggesting a natural, outdoor setting. The image is split vertically by a thin green line, with the text on the right side.

Sustainable transformers for a low carbon footprint

Ecosensitive transformers with
low losses, reduced operational
cost and high reliability

EATON

Powering Business Worldwide



xSolAir is a completely pre-assembled, plug-and-play substation

- Tailormade for photovoltaic plants
- MV switchgear & transformer + LV assemblies in one enclosure

Key benefits



Plug & play

Pre-commissioned – only the cables need to be connected
Easy to scale up



Safe

Proven & renowned technology
Safety above standards



Always on

No fuses – no need to power down the grid to replace parts



High quality

Based on Eaton's high standards of quality, reliability and availability

What products does xSolAir contain?



Xiria

Medium voltage switchgear for
24 kV / 20 kA networks



Liquid immersed transformers

Optimized loss levels



xEnergy Main

Low voltage switchgear
800 V AC, up to 1600 A / 25 kA

Overview



EATON

Powering Business Worldwide