solar for schools

The power of solar on schools

Solar for Schools CBS Ltd

Decarbonisation and education funded by the sun

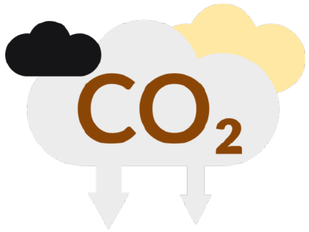
22 November 2022

Solar for Schools supports the UN Sustainable Development Goals

Overview

Schools can:

Act



On climate change

Reducing CO_2 emissions each year by installing panels on your roofs.

.

Inspire

Your staff and students

with energy learning opportunities linked to the solar panels, that link campus and curriculum with school students and visitors to the site

Save

£££££

over the lifetime of the systems by using either free solar power where investments cover the total capital required or by paying for the solar power at a lower than mains rate.

Join

solar for schools
international community
member

150+ sites of learning

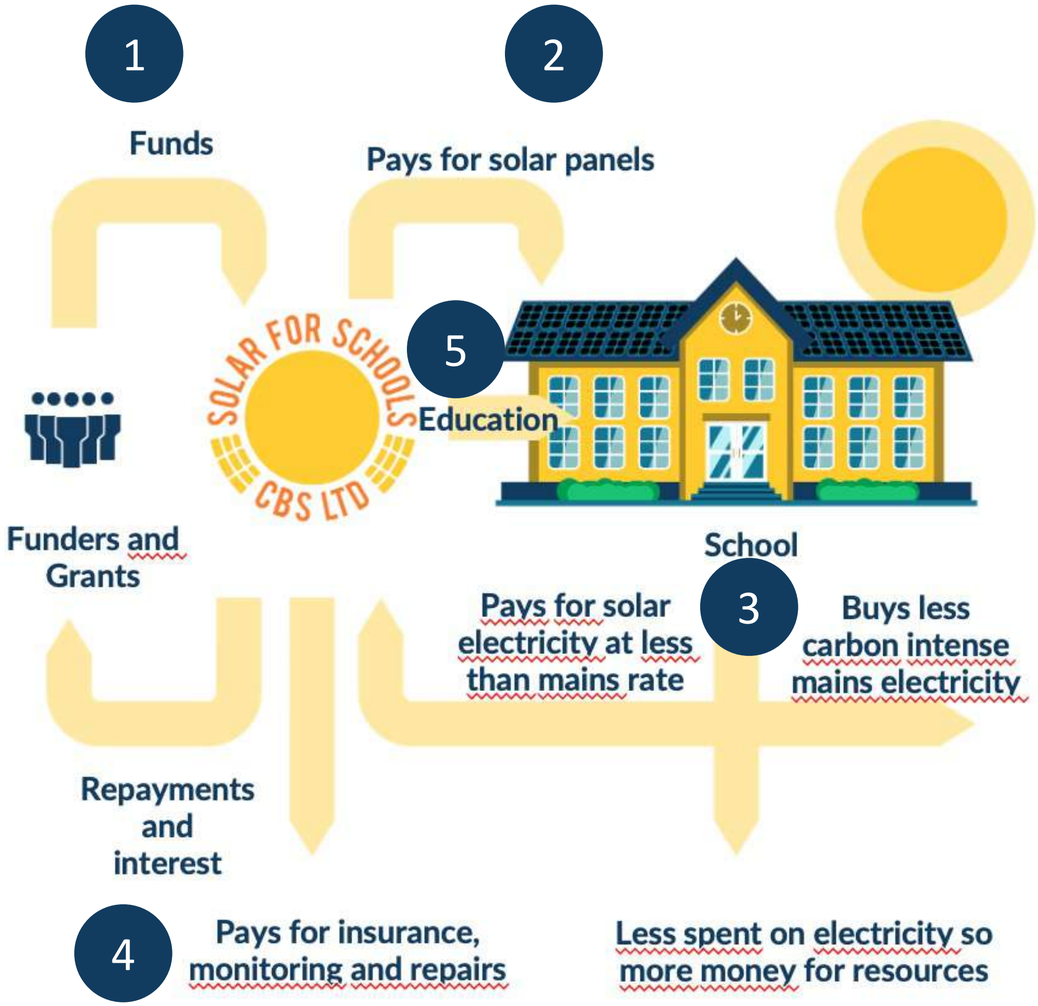
and become part of a growing international community of centres of learning working towards being carbon neutral

solar for schools

Community funding

Funding using the Solar for Schools CBS

1. The CBS raises the money to pay for the solar panels from ethical investors via crowdfunding.
2. Solar for Schools works with the school to develop and install the best system size to meet school's ambitions. CBS pays. No money no worries
3. School has access to renewable electricity, at a rate below current mains prices, agreed with school. Rate linked to inflation only.
4. Solar electricity income to the CBS is used to repay funders and operating costs; all profits go back to the school
5. Solar for Schools looks after the solar panels and provides learning opportunities with no liabilities or costs to schools or Landlord. No on-going maintenance costs for the school



solar for schools

Energy education

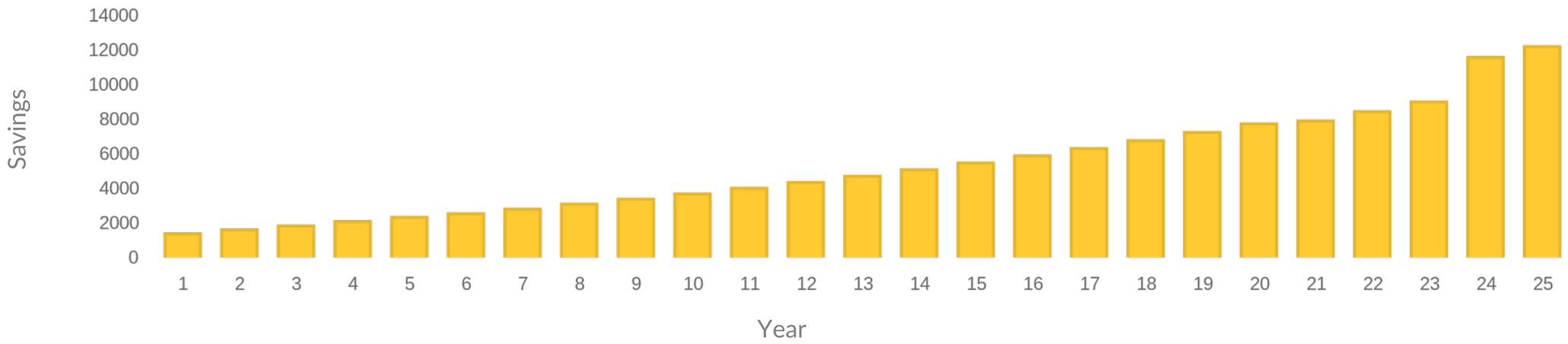
We learn from our buildings not just in them

- Students learn about energy and carbon
- Staff learn about electricity generation and use on site
- Schools gain energy security saving money
- Schools cut their carbon footprint

solar for schools

Financials

Gain long term energy security and savings



Energy savings as solar replaces some of the mains electricity

Any profits from running the system would return to school members of the Solar for Schools Community Benefit Society

Solar power will account for X% of the school's electricity needs: the larger the system the more it meets

- Schools can pay for their systems and cover their maintenance with a low solar price
- Development, capital, installation cost covered by the Solar for Schools CBS whenever possible
- Commercial Electticity rates rise faster than solar rate bringing savings.
- Commerical mains electricity prices increase at **7%** per year based on historic averages from BEIS.
- Solar electricity price increases by RPI at **2.9%** per year, based on historic RPI increases ONS.

solar for schools

solar for schools

Why Solar for Schools

Solar for Schools supports the UN Sustainable Development Goals

solar for schools

Energy management and education, funded by the sun,

eliciting changes in the way we perceive energy +

alter the way we generate and use electricity

Introduction

Why Solar for Schools?

Leader in developing, fundraising and managing solar projects on schools. Only work with schools.

No maintenance costs for School, trust, diocese, council for 25 years. Insurance, parts, servicing included.

Community Benefit Society funding model means that any profits go back to the schools.

Project-based solar and energy learning opportunities linked to curriculum included at no cost.

solar for schools

Mission impossible

Making the impossible possible

- Schools look to install what they need not what they can afford
- Agreements designed for schools and meet the needs of the Council
- Systems looked after at no cost no school management time needed
- Solar power delivered for years to come to give peace of mind
- Schools have long-term governance

Solar: a keystone to decarbonisation

solar for schools

solar for schools

Development and long-term learning opportunities

Solar for Schools supports the UN Sustainable Development Goals

A dashboard to review electricity generation and use

Request Feature | Report Bug

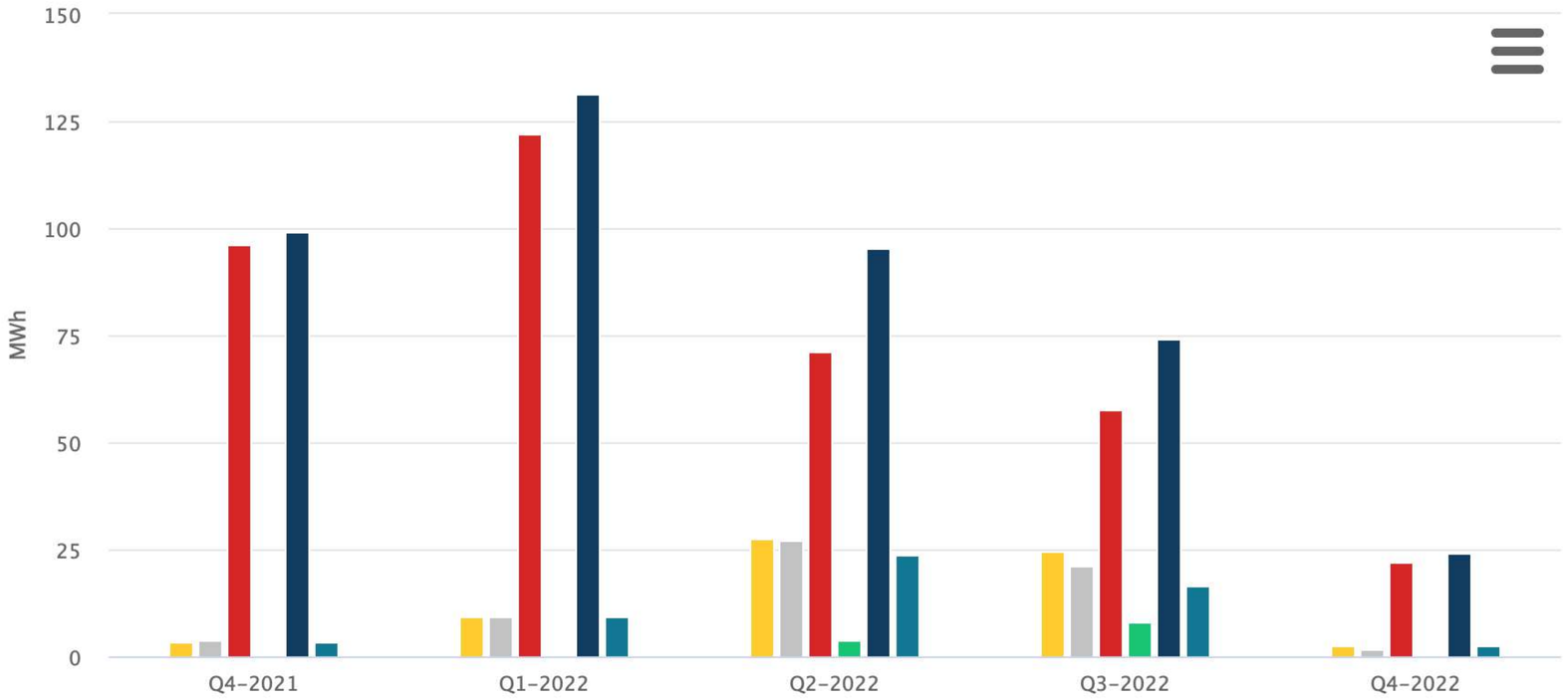
solar for schools | Education | Solar | Funding | About | MM | GB/EN

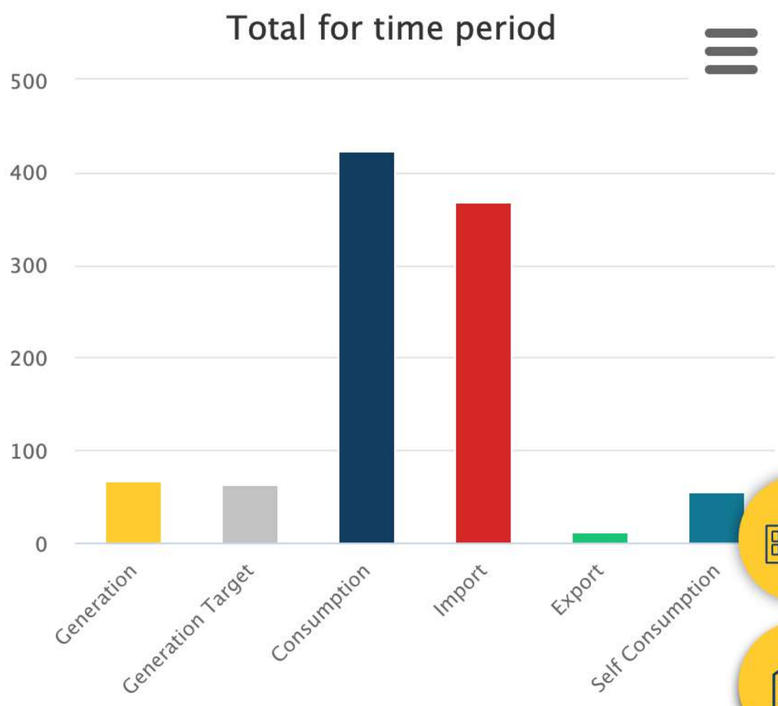
Showing data for 2021-Oct-18 to 2022-Oct-18

Less Graph Options

Generation | Consumption | Import | Export | Self Consumption | Generation Target | Self Consumption Target | Line | Column

Show data for Year of group by Quarter Sites (799) Lancaster Royal Grammar-Large





± 200 schools are part of our network

School

Lincolnshire

Size

121 kWp

live since Sep 15, 2022

Kent

Size

70 kWp

live since Aug 31, 2022

Roundhay Pavillion School

Leeds

Size

101 kWp

live since Aug 04, 2022

Roundhay School Prima Campus

Leeds

Size

78 kWp

live since Aug 04, 202

Education funded by the sun

Buckinghamshire

Size

50 kWp

live since Jul 26, 2022

Leeds

Size

64 kWp

live since Jun 06, 2022

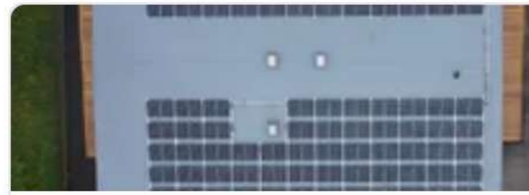
Mackie Primary School

Leeds

Size

82 kWp

live since Jun 01, 2022



Sir Charles Parsons Scho

Newcastle upon Tyne

Size

38 kWp

live since May 27, 202


?
When did you learn something that changed what you do?
solar for schools

Tell me and I forget

Teach me and I may remember

Involve me and I learn

Benjamin Franklin

solar for schools


Engagement:
Our mission is to engage to ensure that data elicits changes in attitudes
solar for schools

From livestreams linked to maintenance visits

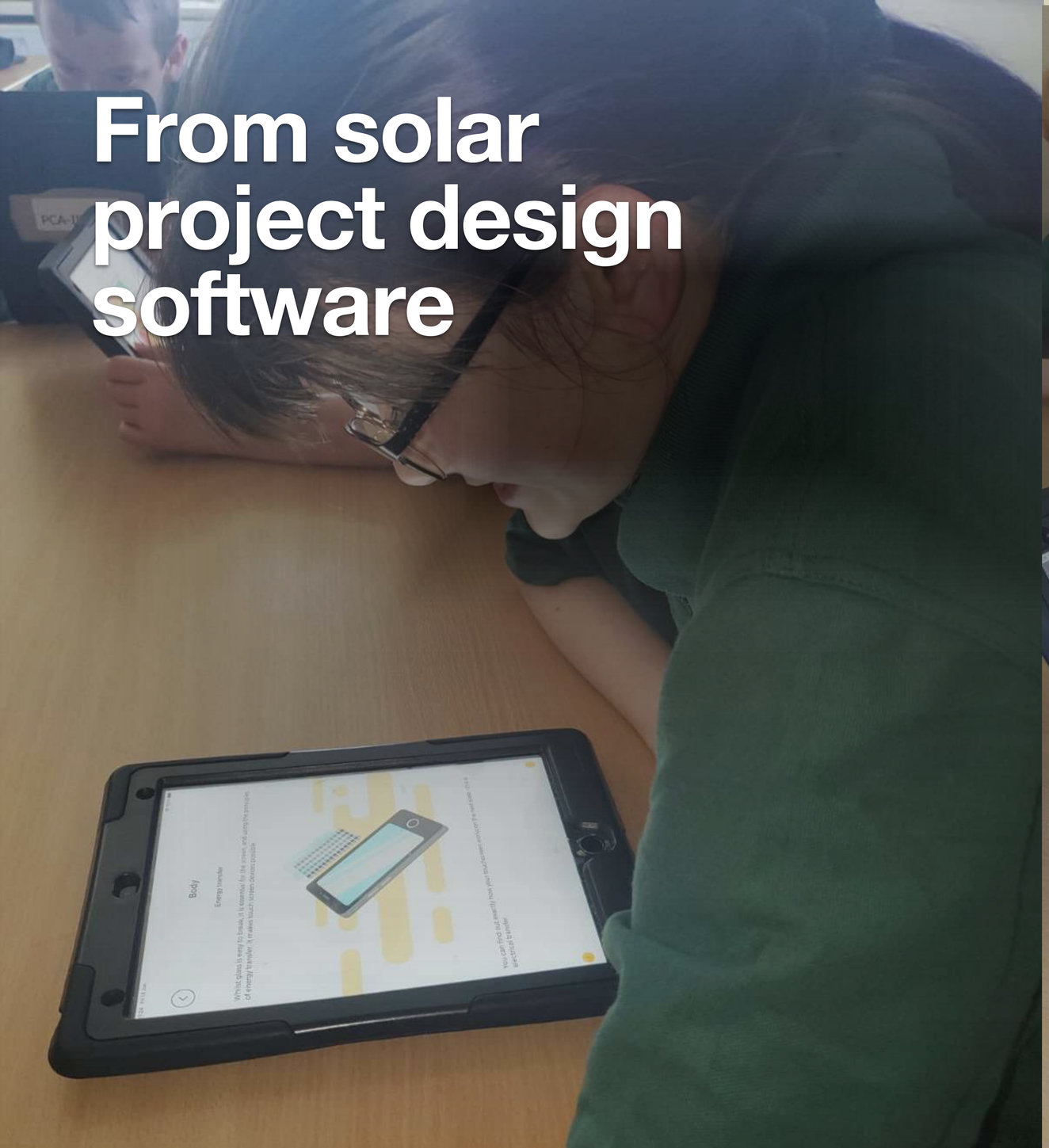
solar for schools

to assemblies and workshops

solar for schools

solar for schools

From solar project design software

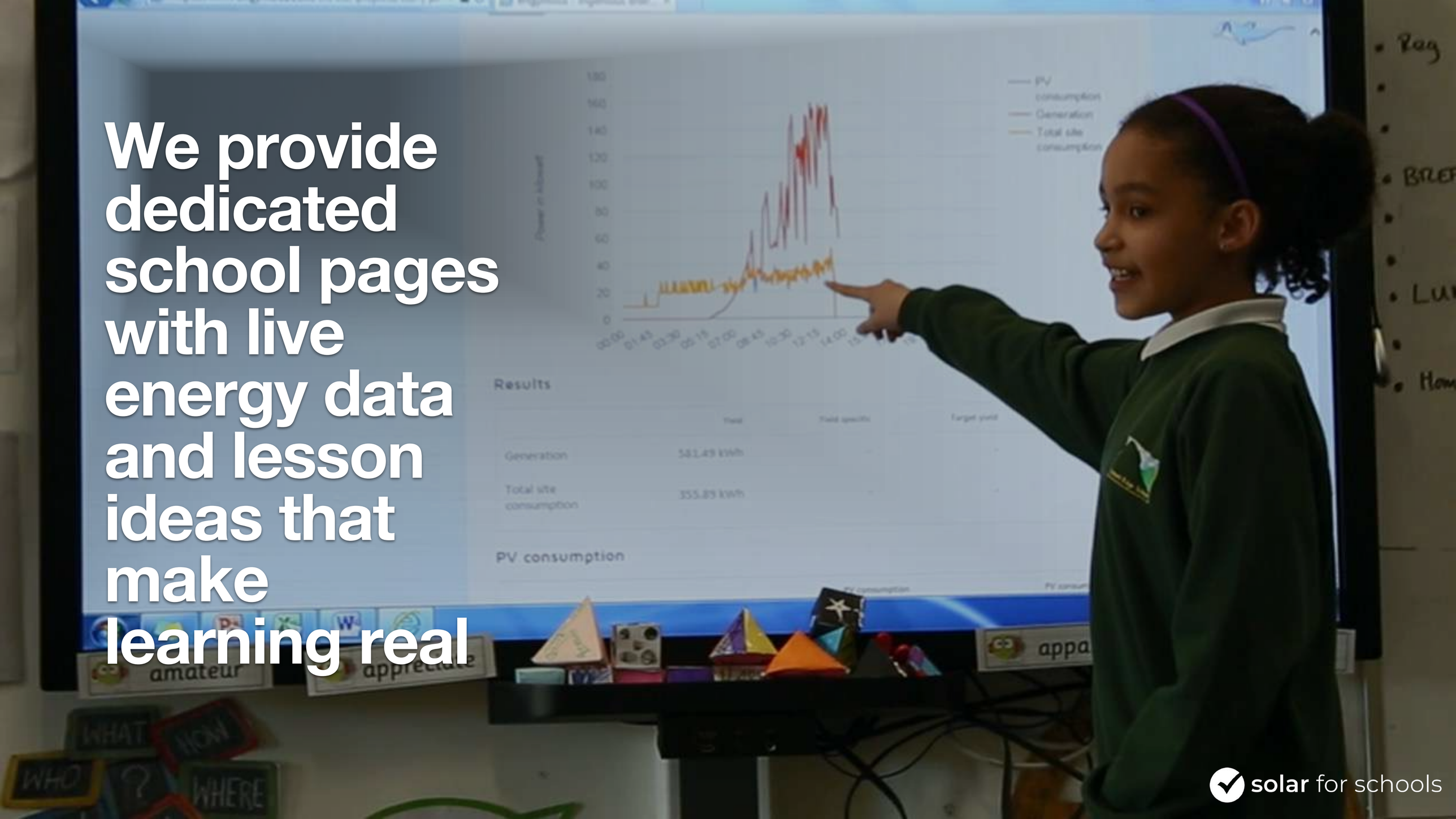


solar for schools

to our gamified app for students

solar for schools


and a solar
experimental kit
HANNspree
solar for schools


We provide dedicated school pages with live energy data and lesson ideas that make learning real
PV consumption
Generation
Total site consumption
Results
Generation
581.49 kWh
Total site consumption
355.89 kWh
PV consumption
amateur
WHAT
WHO
WHERE
solar for schools

Mission impossible

Solar for Schools installation

Our mission: to enhance teaching and learning:

Students / Staff

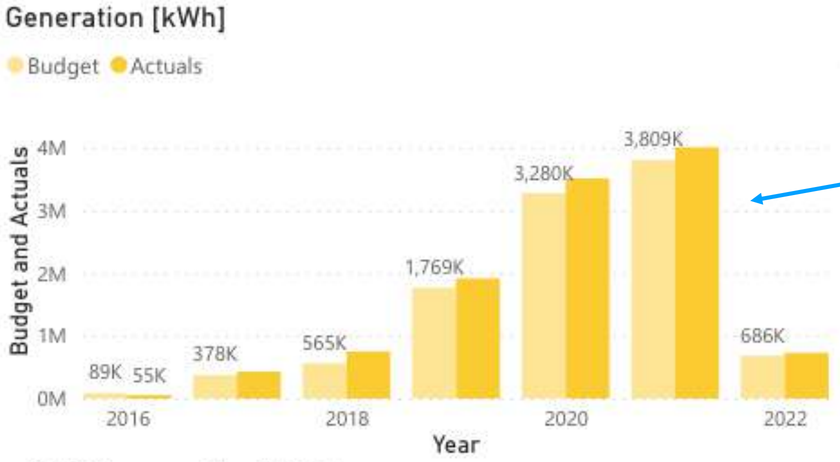
- Learn: 4 Es
  energy
  electricity
  efficiency
  environment

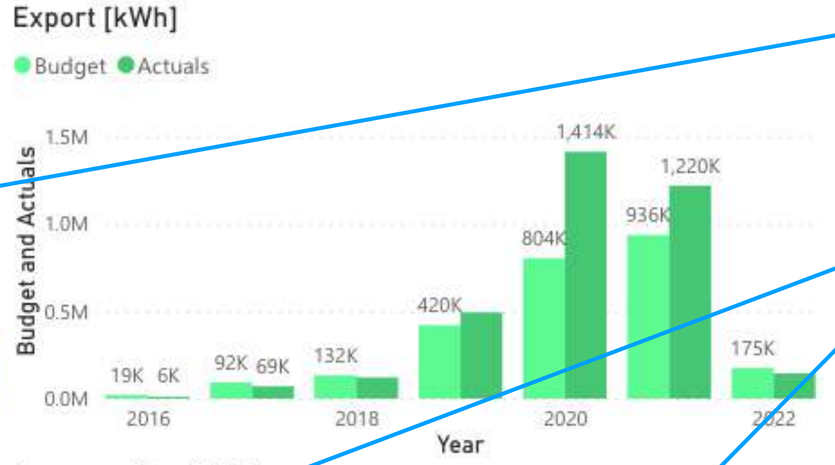
- Enhancing education for sustainable development

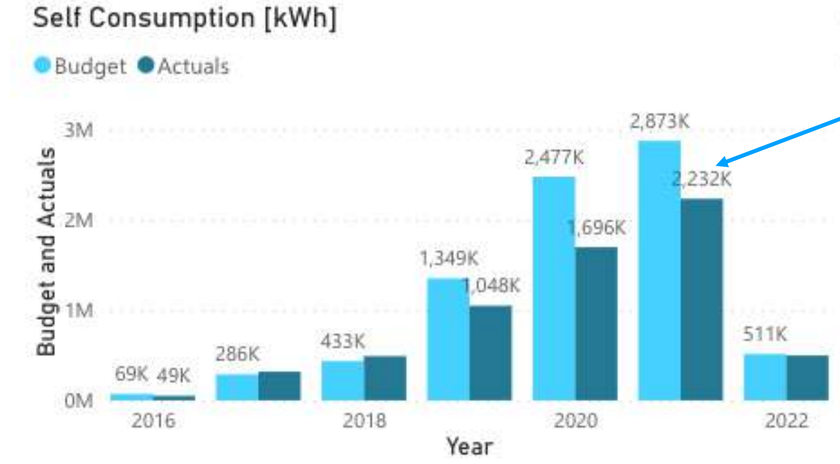
SOLAR FOR SCHOOLS CBS LTD

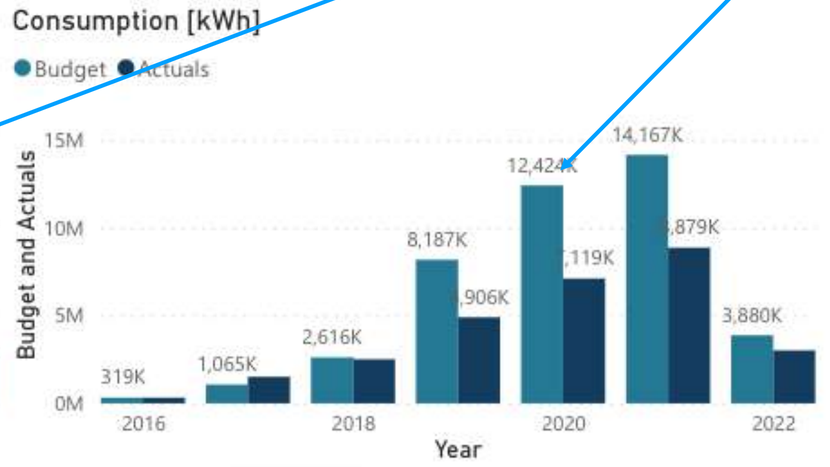
solar for schools

Self consumption : use of electricity fallen across portfolio







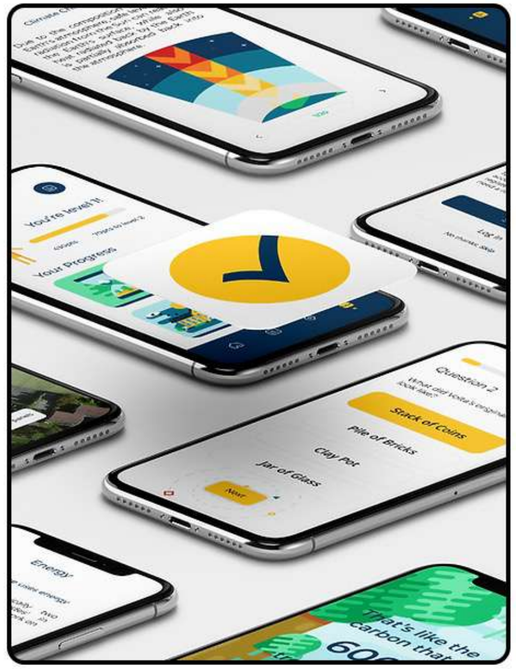


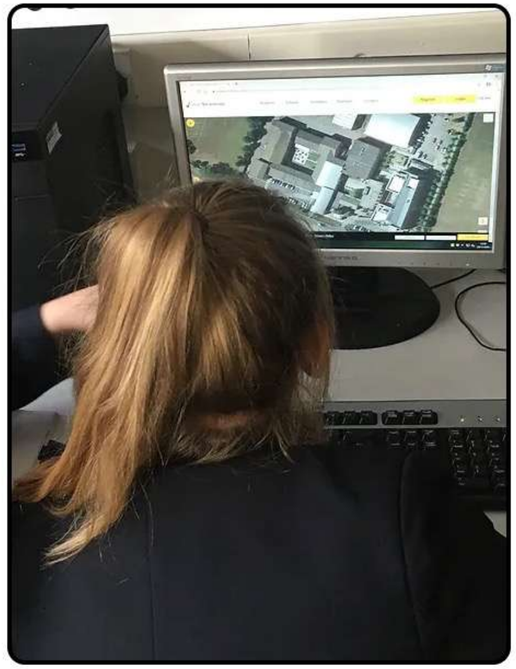
Generation ahead of targets on our schools

Consumption has fallen since installation.

2020: Covid year but electricity use has stayed low following installation

Energy in school





Exciting teaching content

We have teaching units for each subject and for each grade that meet the requirements of the respective curricula.

Innovative workshops + app

The program is supplemented by an app and innovative workshops and lectures

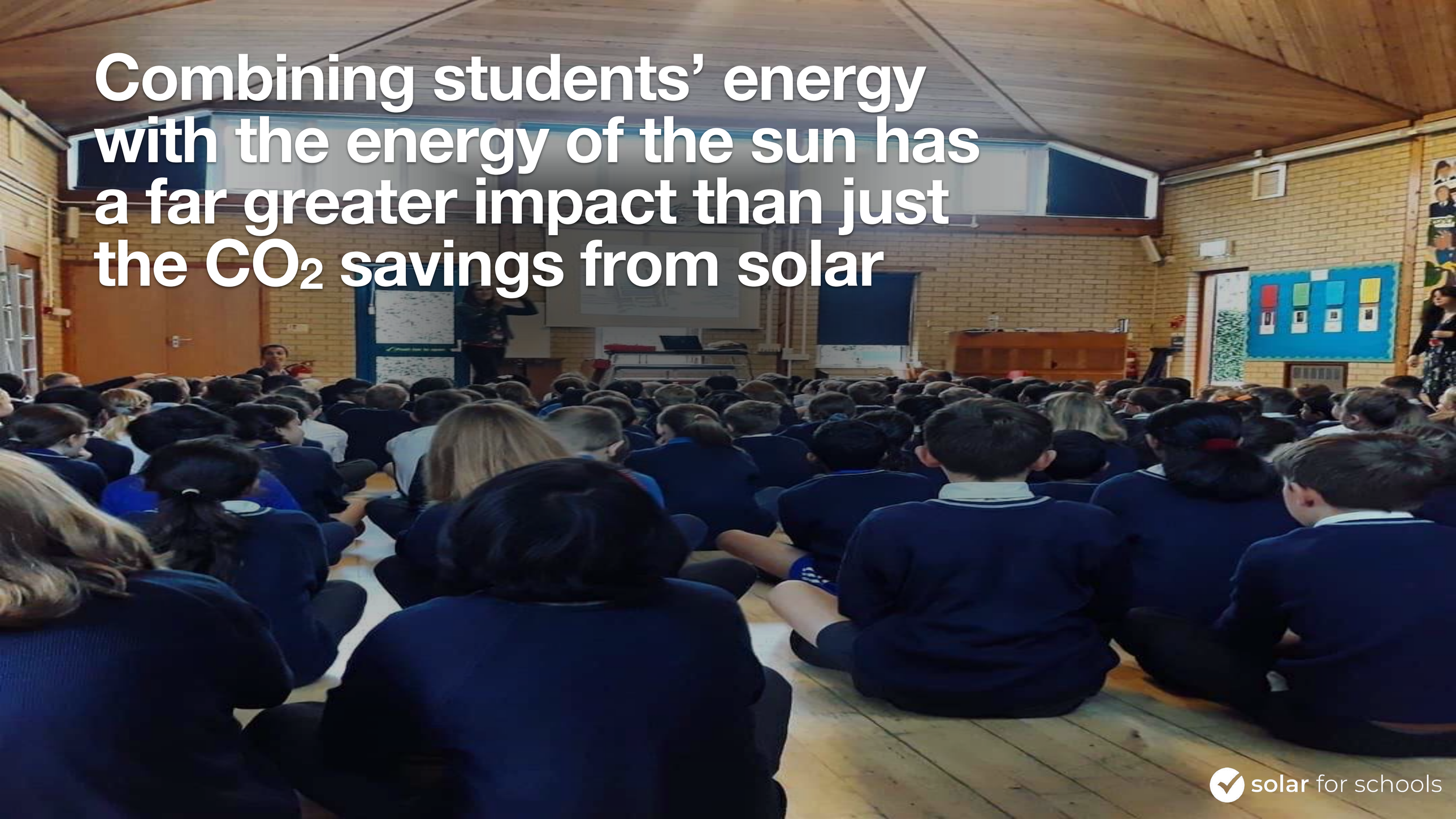
Dedicated software tools

We provide a dedicated school website with live PV system data: generation, feed-in, etc. plus project design SW for students

Experimental kit

Model for the laboratory to work in pairs or threesome. The pupils learn how photovoltaics work.

solar for schools


Combining students' energy with the energy of the sun has a far greater impact than just the CO_2 savings from solar
solar for schools

solar for schools

Decarbonisation and education funded by the sun

https://www.solarforschools.co.uk

info@solarforschools.co.uk

+44 (0)7946 245556