

Solarbildung gGmbH
Steinstraße 39 Rgb rechts, 81667 München

Company profile

Munich, October 2026

Solarbildung: solar knowledge that sticks.

How a small non-profit from Munich turns pupils into makers of the energy transition

A lesson that never really ended

Schlehdorf, Upper Bavaria. For six months, five classes at the St. Immaculata secondary school did the maths, negotiated, looked for sponsors and wrote applications. Before the end of this year, 14 solar modules will go up on the roof of the school garage, planned and pushed through by the pupils themselves. Nothing like it has been done in Germany before. And it all started with a single Solarbildung lesson.

That is exactly what we are about: knowledge that does not stay in the exercise book but turns into action. Almost half of young people in Germany worry about climate change. We show them that they are not powerless. Worry becomes confidence, doubt becomes drive, and helplessness becomes courage.

Who we are

Solarbildung is a non-profit company based in Munich. It was founded in 2021 by Matthias Schmuderer, Michael Fehn and Mike Marqués Teschendorff, three people who have worked in photovoltaics for many years and are convinced that the energy transition begins in the classroom. The organisation has been independent since 2023 and is carried by its three shareholders. In June 2026 we completed the step in name as well: Solar for Schools Bildung gGmbH became Solarbildung gGmbH. Our purpose has not changed: to teach children and young people, from kindergarten to A-levels, about renewable energy in a way that lets them understand it, touch it and shape it themselves.

What we do

We develop teaching materials you can get your hands on, and lessons that teachers can use straight away. Four products cover the whole school journey: with the Solar Explorer Kit, kindergarten and primary school children discover how sunlight becomes electricity. The Electric Cube brings five electricity experiments into primary classrooms. The PV Science Kit, protected as a registered design, turns a year 8 to 11 classroom into a physics lab. And with the Educational PV System, a whole class builds a real, full-size photovoltaic system in 90 minutes, then uses it to power an electric piano or a popcorn machine. On top of that come 17 curriculum-based lessons for physics, chemistry, maths, economics, ethics and general science, many of them free of charge.

All our physical teaching materials are made at the Brucker Werkstatt in Fürstenfeldbruck, a sheltered workshop for people with disabilities run by Caritas, the welfare organisation of the Archdiocese of Munich and Freising. This partnership goes back to our very beginning, and to us it is more than production: it makes every kit a piece of lived public benefit.

With Youth-led Solar, we have been taking the next step since 2026: young people from the age of twelve plan, finance and build a real PV system of around 10 kilowatts on the roof of their school or youth centre. From classroom to kilowatt. This is made possible by community funds on the ChangeX platform, financed by ServiceNow, Microsoft, Google

Solarbildung gGmbH

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Vertretungsberechtigte Geschäftsführer

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Anschrift

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and PwC. The programme now runs in seven countries, from Germany, Austria, Ireland and the UK to Sweden, Costa Rica and South Korea. Our first teaching materials are also in use in Rwanda.

What we have achieved

Around 300 schools in five countries work with our materials, reaching more than 150,000 pupils. 200 schools in the United Kingdom use our lessons under licence. Eva Aigner, head of maths and physics at the Max-Josef-Stift grammar school in Munich, puts it this way: “In more than twenty years of teaching I have never seen anything comparable. Solarbildung opens up a completely new spectrum of learning and experimenting for our pupils.”

In August 2025, the German Federal Ministry of Education and the German Commission for UNESCO honoured Solarbildung with the National Award for Education for Sustainable Development. We have been certified under the Economy for the Common Good since 2025. Süddeutsche Zeitung, Münchner Merkur and News4Teachers have reported on our work, and in October 2026 we are part of the first Munich Climate Week with two formats for teachers.

Who is behind it

We do all of this with a single full-time position. The rest is conviction: working students who write lessons, shoot videos and test experiments, volunteers from industry and schools who bring in their expertise, and shareholders who carry the project. A scientific advisory board around the astrophysicist Prof. Harald Lesch supports us on content. All of it is financed independently, through the sale of our teaching materials and through donations. That this has grown into awards, press coverage and enthusiastic feedback from hundreds of schools makes us proud. And it raises a question we would love to answer together with you: what would be possible with more means?

Solarbildung at a glance

Legal form	Solarbildung gGmbH (non-profit), until June 2026 Solar for Schools Bildung gGmbH, Munich Local Court HRB 266273
Founded	2021 in Munich, independent since 2023
Shareholders	Matthias Schmuderer, Michael Fehn, Mike Marqués Teschendorff (managing directors: Schmuderer, Marqués)
Offer	4 teaching kits, 17 lessons, workshops, Youth-led Solar
Reach	approx. 300 schools, over 150,000 pupils, 5 countries (Youth-led Solar: 7)
Awards	National Award for Education for Sustainable Development 2025/26 (Federal Ministry of Education and German Commission for UNESCO), Common Good Balance Sheet
Partners	Caritas Brucker Werkstatt (production), ChangeX (funding platform), Solar for Schools
Funders	ServiceNow, Microsoft, Google, PwC, Sapotech and others (fund teaching materials for schools)
Team	1 full-time position, working students, volunteers, advisory board of 8
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