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The ORIGINAL can do!



Solutions for modern building design



www.luxelements.com

Quality since 1981



Welcome to LUX ELEMENTS



1. Polystyrene hard foam
2. Contact mortar layer
3. Glass fibre fabric
4. Coating mortar layer

LUX ELEMENTS was founded in 1945 as the tile specialist Lux. Right from the very beginning, knowledge born of daily practical experience flowed into all new product developments and gave company founder Herbert Lux the idea for his trailblazing invention almost 30 years ago:

LUX ELEMENTS® – The original

LUX ELEMENTS® are polystyrene hard foam support elements with a dual-sided double mortar coating into which a stabilising glass fibre fabric is embedded – the perfect base for tiles and plasters.



True to our motto "Solutions for modern building design" the new generation of environmentally compatible hard foam support elements is more than just a construction panel in various thickness grades. It is a modern building material which, due to its excellent physical characteristics in combination with very good processing ability, creates freedom for planners, designers, craftsmen and companies who do not want to be limited by conventional methods.

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Quality since 1981

The fundamental business concept is to draw on our practical experiences and develop solutions suited to modern building design. By this, we mean:

- easier
- faster
- cleaner
- more reliable
- more imaginative

“This is the direction our business is moving in!”

LUX ELEMENTS® – The material properties

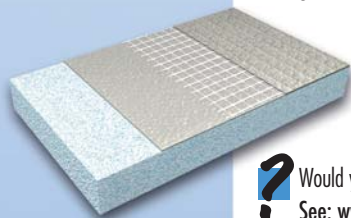
Hard foam support elements from LUX ELEMENTS are characterised by special material properties, which are of particular advantage for use in wet and humid conditions.

- | | | | |
|----------------------------|------------------------|-----------------------------|-------------------|
| | | | |
| ■ environmentally friendly | ■ proven quality | ■ pressure-stable and rigid | ■ lightweight |
| | | | |
| ■ waterproof | ■ fire-retarding | ■ insulating | ■ mould-resistant |
| | | | |
| ■ design variety | ■ alternative surfaces | ■ economical | ■ system-oriented |



■ Bathroom upgrading

The moisture-resistant hard foam support elements are perfect for use in bathrooms. As they are extremely easy to process and are not subject to long drying times, bathroom upgrading can be completed in a very short time. For this, a wide range of standard bathroom products is available. Furthermore, individual constructions and special designs can be easily prepared.



? Would you like to learn more?
• See: www.the-original-can-do.com



Solutions for modern building design



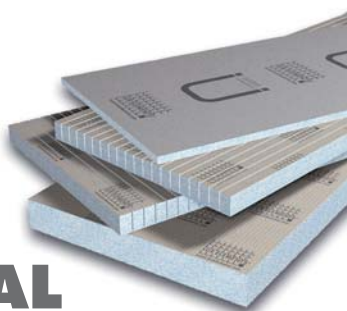
LUX ELEMENTS is an experienced specialist in the production of polystyrene hard foam and in processing products for the building, sanitary and wellness markets.

Our focus lies in the fields of wall claddings, floor structures, bathroom upgrading and individual wellness facilities.

■ Wall claddings and floor structures

The construction panel from LUX ELEMENTS from the ELEMENT range is the ideal product for wall use. It can be easily and quickly installed as a wall levelling element over old tiles, supports or directly on the wall and is then the optimum base for ceramics and plasters.

Due to its high degree of stability and heat-insulating properties, the construction panel is also just as well suitable for installation on wooden or concrete floors, for instance for height compensation, heat insulation or in conjunction with underfloor heating.

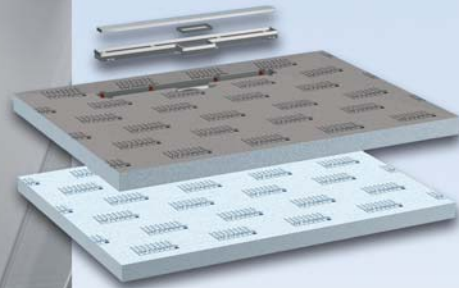


The ORIGINAL can do!





? Would you like to learn more?
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■ Shower systems

Modern and barrier-free showers are more in demand than ever before.

In the TUB product range, LUX ELEMENTS presents a large selection of flush floor, tileable shower bases in many formats. It is of great advantage that we offer the entire system. Apart from the already sealed shower base with integrated slope, this includes a substrate element as a mounting aid and a powerful drain system for point and linear drainage and a multitude of accessories (sealing tapes, sealing fillers etc.).

Furthermore, the TUB product range also supplies building kits for design showers such as e.g. the popular round and curved showers. These are delivered in segments and need only to be bonded on site prior to tiling or plastering.

**The
ORIGINAL
can do!**





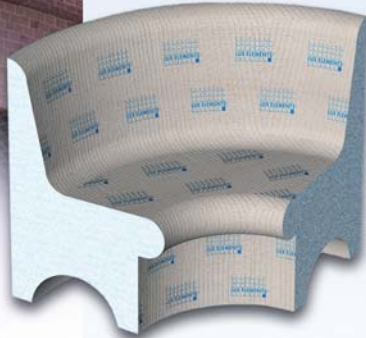
? Would you like to learn more?
See: www.the-original-can-do.com



■ Individual objects

Special designs made of hard foam support elements are one of our specialties. There is no limit to customers' wishes. We can implement almost any idea, as we are able to realise round shapes and large components. Constructions for steam baths, benches or extensive wellness areas are created in our production halls, which are then transported to the building site in segments and assembled there.

At the same time we offer especially for wellness areas a repertoire of standard products such as fountains, seats or relaxation loungers.



The ORIGINAL can do!





- environmentally friendly
- proven quality
- pressure-stable and rigid
- lightweight
- waterproof
- fire-retarding
- insulating
- mould-resistant
- design variety
- alternative surfaces
- economical
- system-oriented

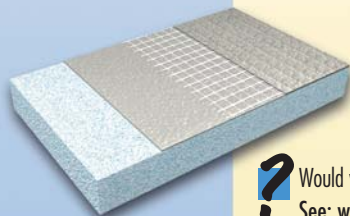
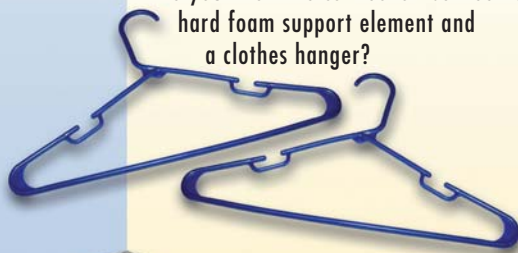


■ environmentally friendly

The core of LUX ELEMENTS hard foam support elements consists of expanded polystyrene (EPS). To contribute to environmental protection, we use a production method for the manufacture of this hard foam in our own factory facilities, which completely does without harmful foaming agents such as CO₂ or CFC. The material is foamed with water vapour only.

The environment additionally benefits from the fact that EPS is 100 % recyclable.

Do you know the connection between our hard foam support element and a clothes hanger?



? Would you like to learn more?
See: www.the-original-can-do.com



■ **proven quality**

LUX ELEMENTS has long-standing experience in the production of hard foam support elements. To document our quality, we have our products certified by national test institutes. The test certificates verify the durability and quality of the material in practical use and justifies the faith our customers have in us.



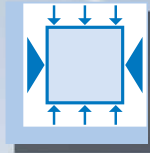
“...I can build on that!”

The ORIGINAL can do!

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■ **pressure-stable and rigid**

A mortar coating in conjunction with a stabilising glass-fibre fabric makes the LUX ELEMENTS hard foam support elements extremely strong and stress-resistant. Therefore they are not only suitable as a construction panel for walls, but also for floors. Even such constructions as steps or seats, for instance, maintain their shape without warping, even when subject to heavy loads.



? Would you like to learn more?
• See: www.the-original-can-do.com



■ **lightweight**

The low weight of the hard foam support elements from LUX ELEMENTS is an advantage for static calculation and thus an important plus for planners. At the same time the installer benefits from the lightweight, because working on site is much more convenient – not only for the transport of the products, but also for the assembly.

What do dandelions have in common with our hard foam support element?



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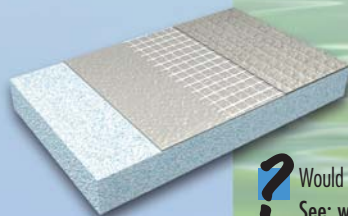


■ **waterproof**

The moisture-resistant hard foam support elements from LUX ELEMENTS are ideally suitable for use in bathrooms, indoor swimming pools and wellness facilities.

Due to the nature of the material, it does not swell when exposed to moisture and maintains its shape. Wherever water or moisture is present, our products are right for this place!

Where is there a parallel between a water lily and our hard foam support element?



Would you like to learn more?

See: www.the-original-can-do.com



■ fire-retarding

Fire protection is particularly important to us. LUX ELEMENTS hard foam support elements are flame-resistant. Therefore we fulfil the national and international standards in a high fire protection class.

You can feel safe wherever LUX ELEMENTS are installed. Be on fire for our elements!

- environmentally friendly
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- pressure-stable and rigid
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“Water and fire?
Both have
no chance here!”

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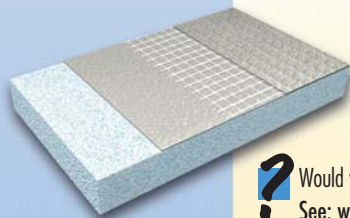


■ insulating

Due to the heat-insulating properties of LUX ELEMENTS hard foam support elements, the warmth remains in the room and does not escape to the outside. Warmth generally has a positive effect on the maintenance of health, as it contributes to an atmosphere of wellbeing.

In times where environmental protection, energy saving and health are becoming increasingly important, we are particularly proud that our products can make a contribution to all three categories.

Can a nest be compared to our hard foam support element?



? Would you like to learn more?
See: www.the-original-can-do.com





■ **mould-resistant**

LUX ELEMENTS hard foam support elements prevent the formation of mould due to their alkaline properties, thus making an important contribution to a healthy life. Mites or germs are prevented, as the construction material does not provide a suitable breeding ground. This is of advantage to the user and also to allergy sufferers, because allergies are avoided as a result.

**“What is alkalinity
and what are the advantages
in the bathroom?”**



**The
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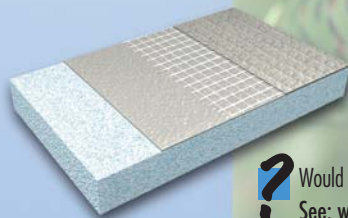
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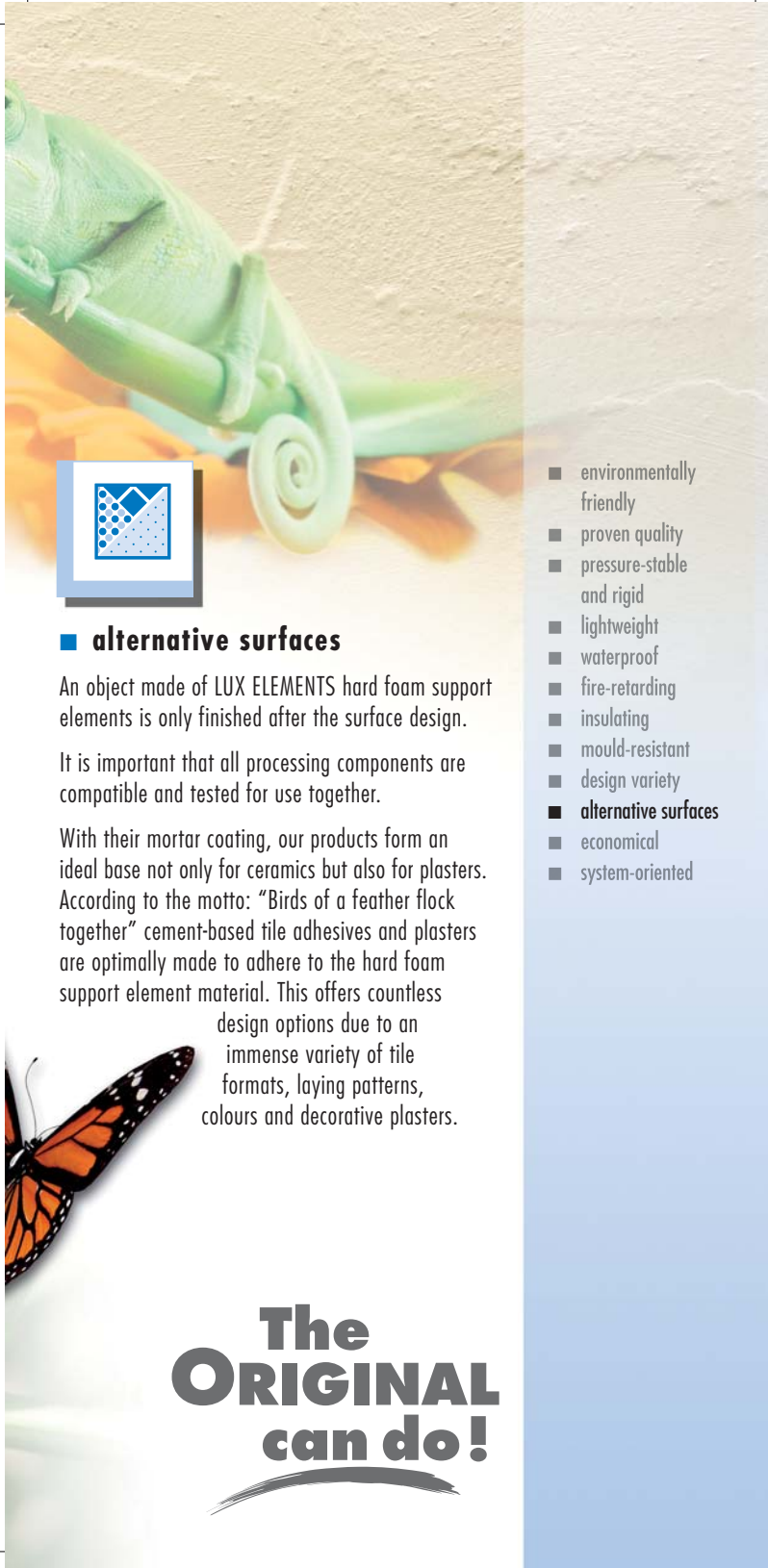
■ **design variety**

Hard foam support elements are all-rounders when it comes to design. From straight construction panels for wall and floor over a large range of standardised products through to individual components, they cover innumerable design options. Round shapes can also be realised. Whether straight steps, round bath tub surrounds, shower building kits or whole steam baths – LUX ELEMENTS hard foam support elements know no limits in shape or design.

What does a butterfly have in common with our hard foam support element?



? Would you like to learn more?
See: www.the-original-can-do.com



■ alternative surfaces

An object made of LUX ELEMENTS hard foam support elements is only finished after the surface design.

It is important that all processing components are compatible and tested for use together.

With their mortar coating, our products form an ideal base not only for ceramics but also for plasters. According to the motto: "Birds of a feather flock together" cement-based tile adhesives and plasters are optimally made to adhere to the hard foam support element material. This offers countless

design options due to an immense variety of tile formats, laying patterns, colours and decorative plasters.



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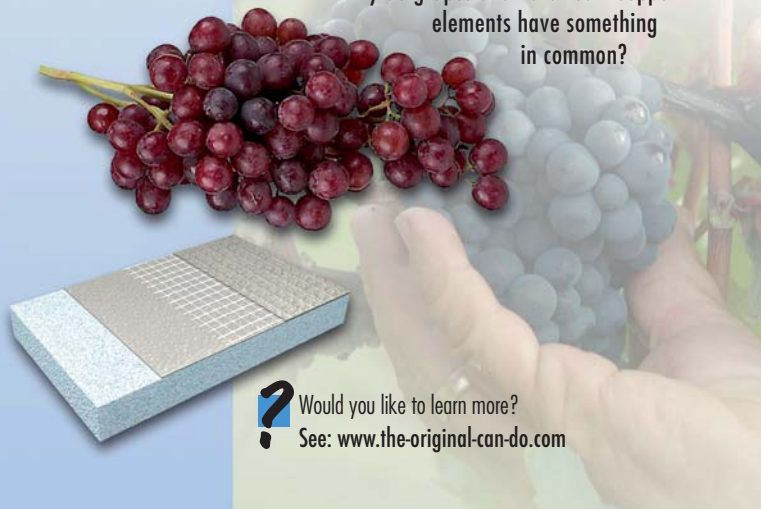


■ **economical**

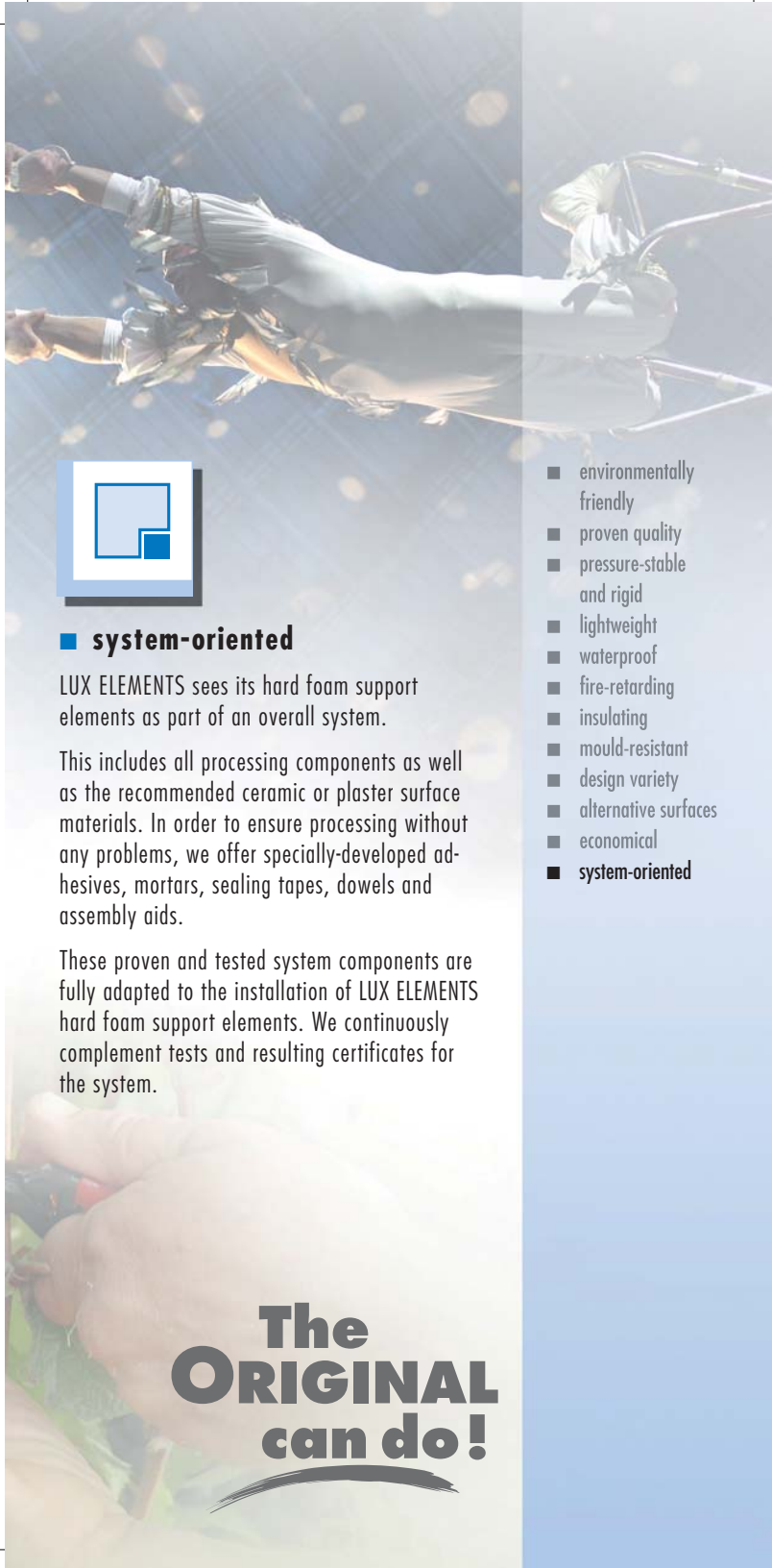
Hard foam support elements contribute to cost saving in various ways. Not only the end users benefit from this, but also installers and trade. Shorter assembly times due to pre-fabricated components and fast drying times are an important aspect as well as the low disposal costs due to much less waste being created.

Finally, heating costs are also saved in the long term, thanks to the heat-insulating properties of the material.

Why do grapes and hard foam support elements have something in common?



? Would you like to learn more?
See: www.the-original-can-do.com



■ **system-oriented**

LUX ELEMENTS sees its hard foam support elements as part of an overall system.

This includes all processing components as well as the recommended ceramic or plaster surface materials. In order to ensure processing without any problems, we offer specially-developed adhesives, mortars, sealing tapes, dowels and assembly aids.

These proven and tested system components are fully adapted to the installation of LUX ELEMENTS hard foam support elements. We continuously complement tests and resulting certificates for the system.

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**The
ORIGINAL
can do!**





LUX ELEMENTS® – The programme

Whether as a panel, cut element, made-up element or complete component, our products make a contribution to modern construction. By this, we mean: easier, faster, cleaner, more reliable, more imaginative

LUX ELEMENTS® – The production

LUX ELEMENTS®-FOAM is a very high-quality, blue coloured, expanded polystyrene hard foam (EPS) with high density, produced using an environmentally compatible method without harmful foaming agents. ELEMENT is formed as a universally applicable construction panel from the basic material as is the case with a wide range of prefabricated system building kits. What was originally intended as a “simple” partition wall and construction panel, quickly developed into an all-rounder design element, as the most versatile shapes can be directly cut out of large expanded foam blocks.

As surface materials, such materials known from the living and recreational areas such as e.g. natural stone, tiles or mosaics can be used. The cement-based surface of the hard foam support elements also offers the ideal base for plasters.



“So many possibilities!
What more
could one want?”

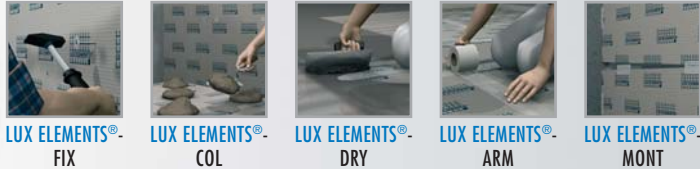
www.luxelements.com

Quality since 1981



LUX ELEMENTS® – The system components

The proven and tested system components are fully adapted to the installation of our hard foam support elements. Specially developed adhesives and mortar, sealing tapes, mounting angles and dowels ensure trouble-free working.





The EUF (European Union of National Tile Associations) has developed the concept "Healthier Living with Ceramics" together with its European member associations and sponsor members. This concept is intended as information "profile" for trade, dealers and manufacturers. LUX ELEMENTS is the force behind the project and is actively involved in its implementation.

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(Please enter the quantity and desired language!)

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