

WERROFORM

sct.

system components trading



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SMARTBRICKS

The modular wooden wall system.



Over the last two decades Werroform is producing Smart-Bricks in Estonia.

The picture shows three hydraulic presses. We use these to create the cross-layer pressing of the Smart-Bricks.



Through close collaboration with the State Shared Service Center, we were able to secure the necessary support and funding from the European Union Cohesion Fund. This partnership has enabled us to achieve our automation goals and take our production processes to a new level.



Co-funded by
the European Union



Investing
in your future

five work section into one
from October 2025
ready for robotic

From 2026 onwards, we will replace human labor with robotization.



**Robotic -
What for?**

For the past 10-20 years, timber construction has gained traction by storing CO₂, whereas brick and concrete houses consume CO₂.

The brick and concrete industries have responded and are now able to produce CO₂-neutrally.

Timber houses can no longer be more expensive because the ecological argument no longer applies.

Werroform, as a timber component manufacturer, must reduce its selling price by 20-30% to remain competitive.

Ready for robotics



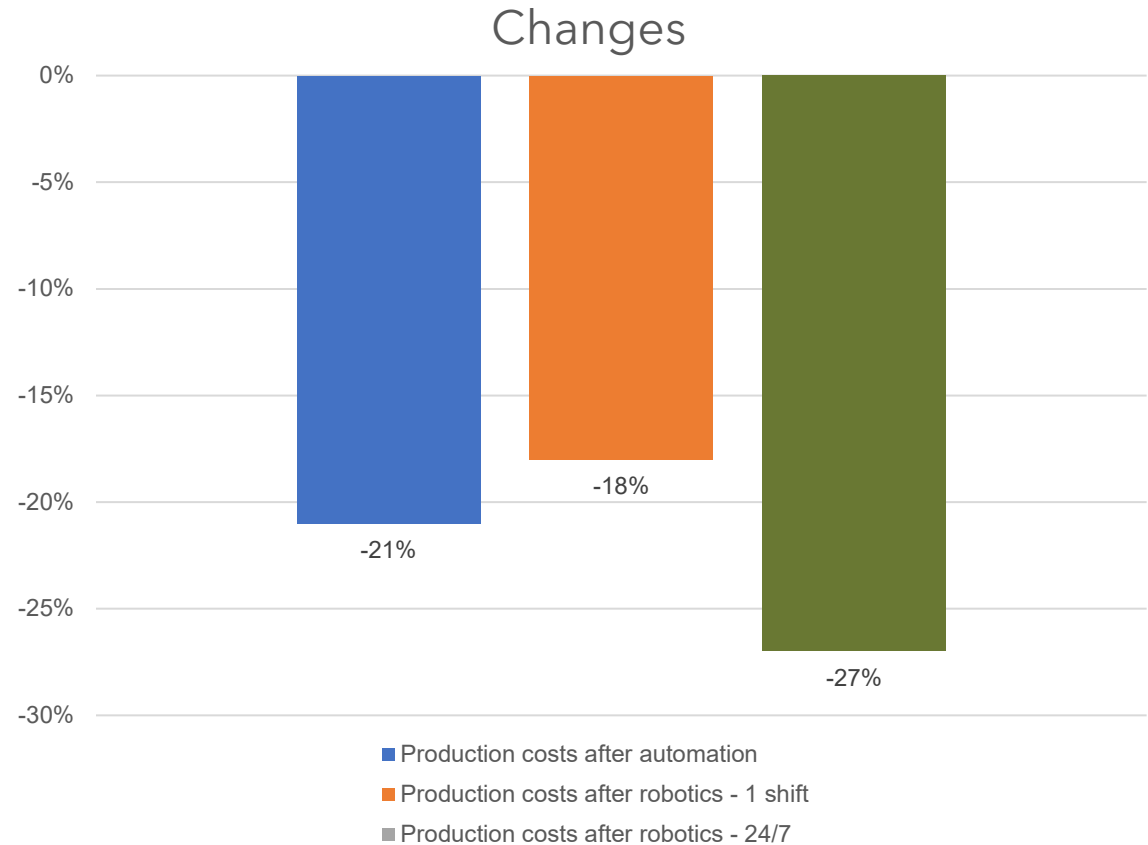
Greenbricks Wienerberger

Automation has achieved a 21% reduction in production costs.

The transition to robotics, starting in 2026, will result in increased costs due to the investments made, as long as production is carried out in single-shift operations.

Only with 24/7 operation will robotics bring further savings in production costs, down to 27% compared to pre-automation costs.

Robotization is not a question of "if?" but rather a question of survival for industry.



But it's not just production costs that are under market pressure.

Processing costs are also currently falling thanks to robotics in brick construction.

The timber industry is also called upon to provide answers here.



**Humans-
What for?**

Every decision we make is wrong, the question is just how wrong?

To run a business, every decision must be reviewed and a new, better decision made, and so on.

The human race has been so successful on Earth because it works as a group. Within the group of humans, decisions are reviewed and collectively calibrated by others. People will still be needed to review decisions and make new ones based on them.

Robots can't make new decisions. Therefore, we still need humans.

A general artificial intelligence might be able to do it.