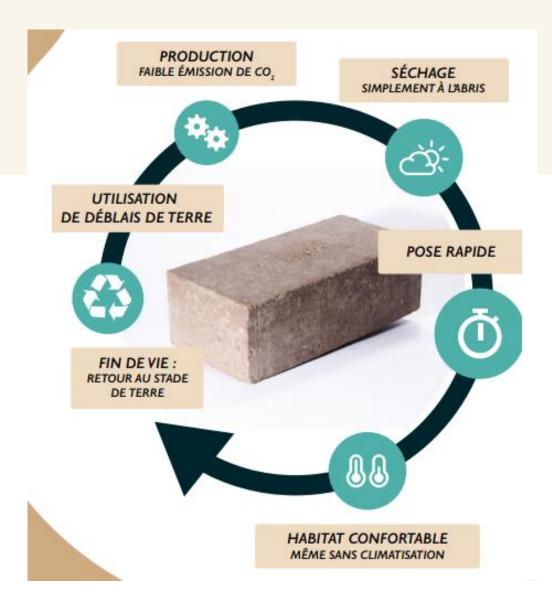


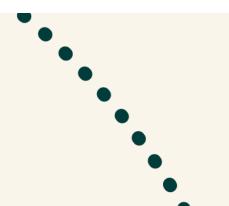


The oldest building material – the material of tomorrow **Earth : a truely ecological material**



A sustainable life cycle:

- *Reduction of raw material ressources*
- Reduction of waste



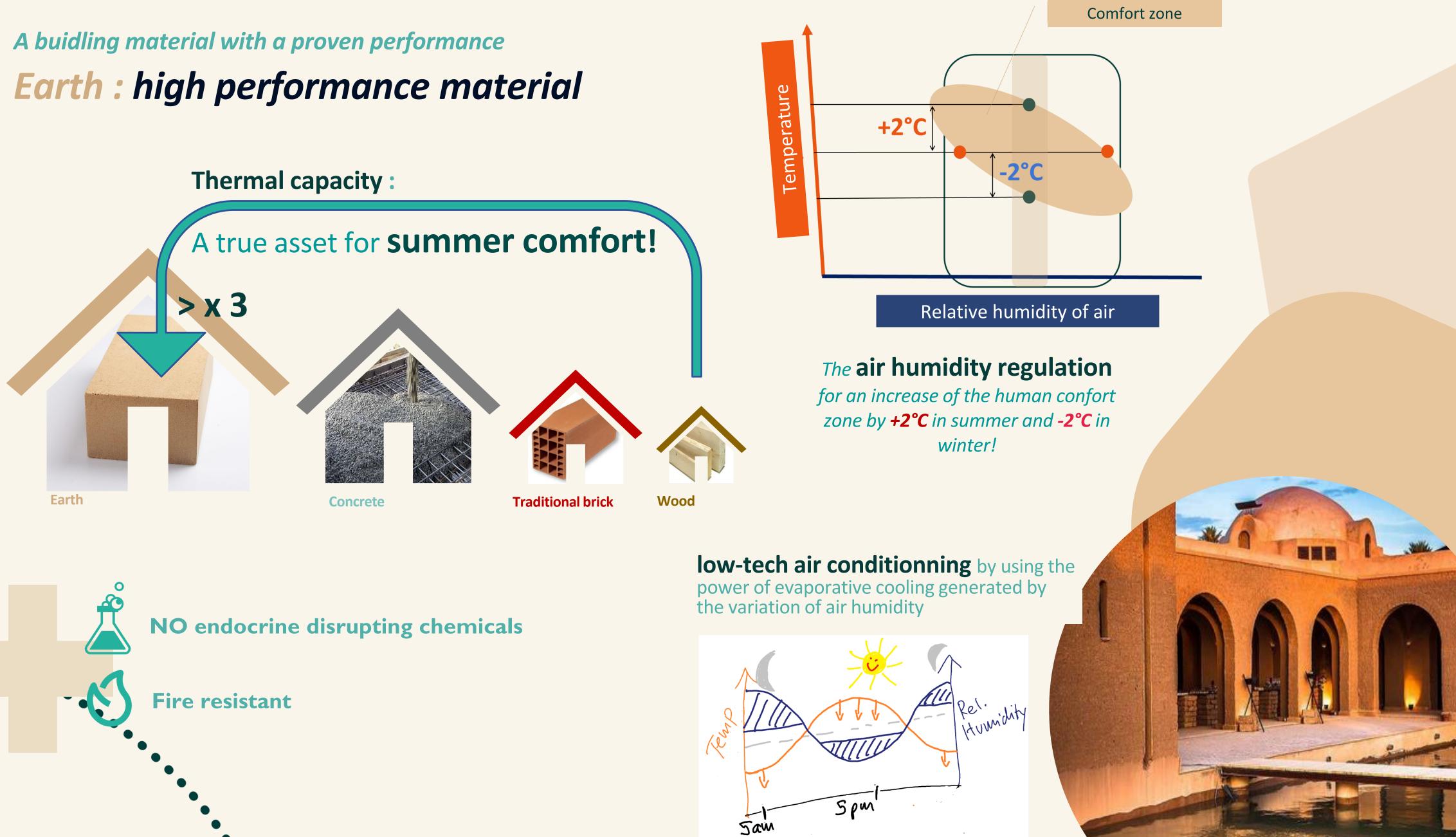
Solution BTC: -60%

in CO2 emissions today!

A limited impact on climate change:

- *Reduction of CO2 emissions*
- Reduction of energy consumption



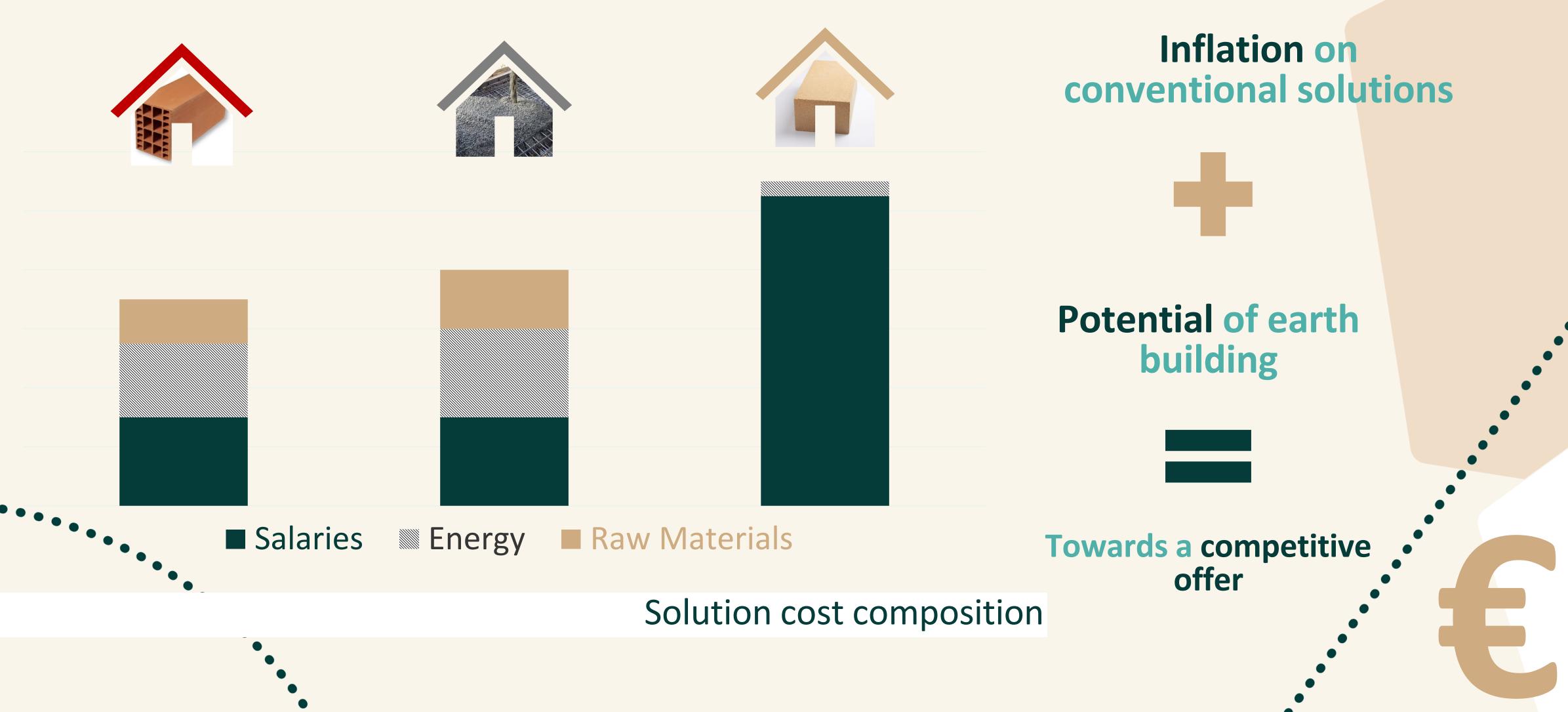






Using earth materials

Building with earth : creating jobs on a local scale



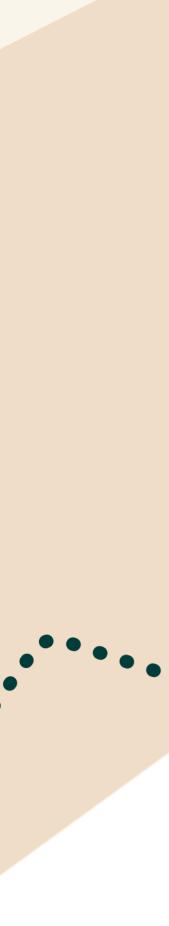


Briques Technic Concept Our solution for Mining the future



Making tunnels and sell earth bricks *It is a good idea....*



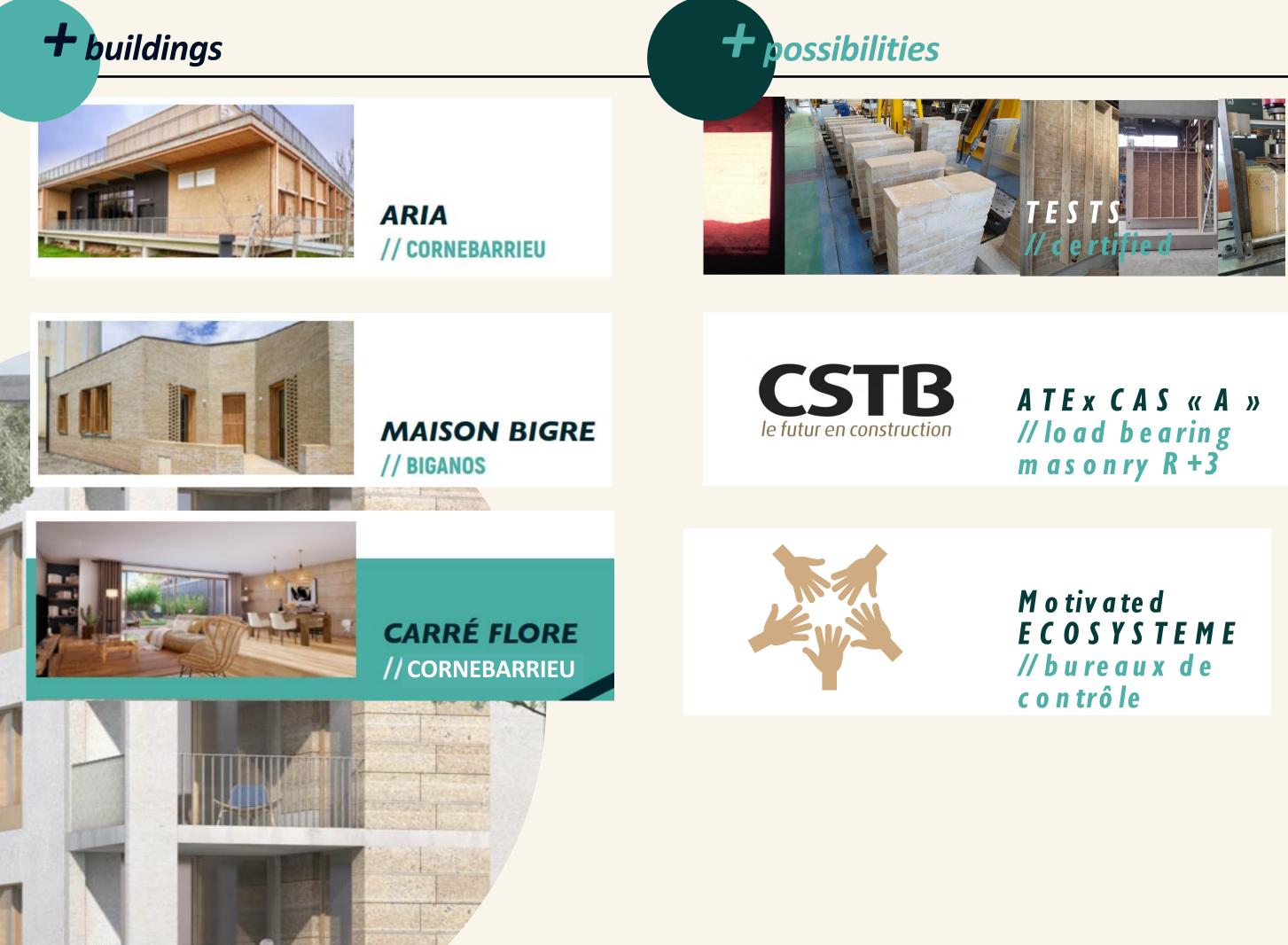




Briques Technic Concept WHY?



Briques Technic Concept The walls of tomorrow – ready to use



+ production capacities



MACHINES PERFORMANT



TOULOUSE PLANT // 2022

TRAVELLING PLANT // 2022



Our offer today

A true industrial approach – for a competitive solution





4 mars 2022 n° 6181 •12€ www.lemoniteur.fr

La terre crue fait sa révolution industrielle p.42

RE 2020

Réglementation Deux mois après,
le premier bilan p. 8 Le droit de surplomb ou
l'ITE chez le voisin p. 58Eaux usées mais
station dernier cri p. 52

Génie civil



Our offer today

More speed for the job site – Prefab elements to speed-up installation







Speed more than x 4

Improved handling and logistics



Our offer today

Certified solutions – speed-up the design process





Prévenir les désordres, améliorer la qualité de la construction

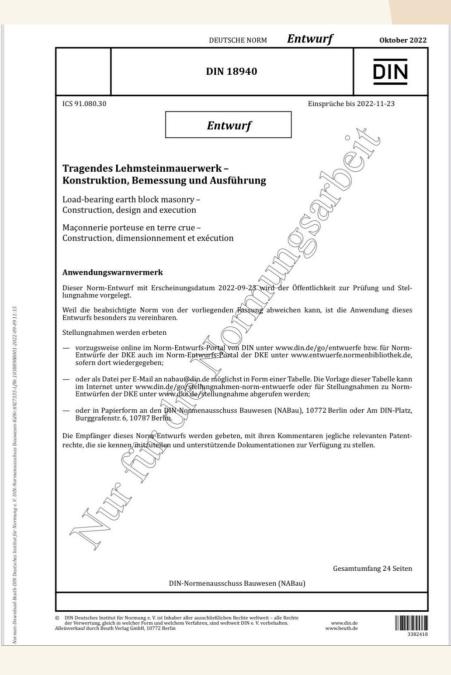
RÈGLES PROFESSIONNELLES ACCEPTÉES PAR LA C2P

Blocs de Terre Comprimée (BTC) Mayotte (Règles professionnelles juillet 2022, ART.Terre Mayotte)

Load bearing masonry up to 3 floors 2021

Façade and interior walls

DIN 18940



Load bearing masonry up to 4 floors Includes pure earth bricks!

2023





Briques Technic Concept HOW?



What we did Formulation of your ressource – confirmed faisability





EN 772-1 Test



XP-P 13-901 Test





Capillarity test

Result of capillarity test

Supplemental Material 3: Solution Relevance

1) Relevance of the process with respect to material to be

The relevance of the solution is demonstrated by the following facts:

1. The targeted volume of 300,000 cubic meters represed excavated geological material and Haas et al (2020) geological materials will be available (page 5), esper

5% of the upcomi various clayey and loa md very weak marls.

below) seems very likely to

vated

2. The ready excavated that we are these weak and very we repres

> erformed wh we add

The corrective cla average of this kind negative value. For these on the worksite of the FCC

3. The full-sc

section 2 bel

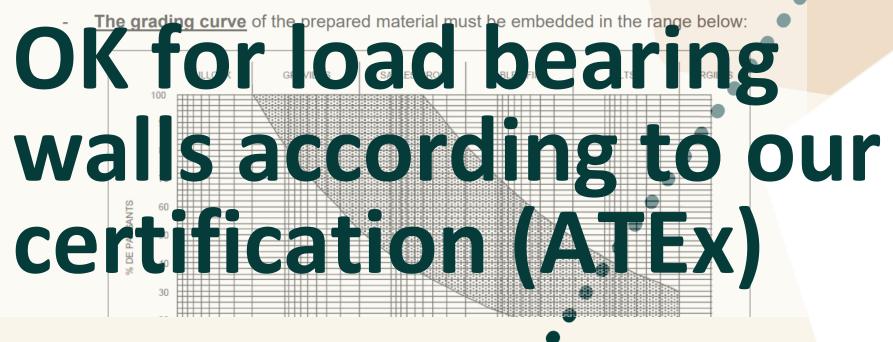
ivincing (see main application form a mount of corrective clayey material

as no specificity, it can be considered as in o find, hard to recycle outside of our process and assume that something equivalent will be also availa

To support this 4th point, we now give some more details about this clayey material and especially about the support its grading curve and clay activity as well as the effect of the correction on the material already excavat on the future FCC's worksite.

Usual criteria for basic materials to make compressed raw earth bricks

According to the French XP-P 13-901 standard published in 2000, a soil can a priori be used manufacture compressed raw earth bricks if the two following conditions are satisfied:





Permanent installment of a production capacity

Building a factory with a capacity of up to 60 kT / year





FLEXITERRE

Capex : 1.2 M€ Surface : 3.400 m² to 4.400 m² NOVATERRE

Capex : 2 M€ Surface : 4.500 m² to 6.500 m²

18 months to start up the production **+ 12 months** to be in regular operation

ERRE €

ALL TOGETHER

Capex : 3 M€ Surface : 6.600 m² to 9.600 m² Production capacity : up to 30 kT / year



Sales and development

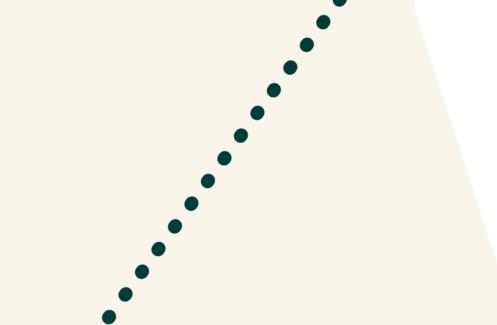
Sell the bricks and blocks !

- CERN buildings as prototype
- Additional certification
- Additional evidence of performance
- Promote the solution in the region with its 2 M population

Execute the Business Plan

Business Plan Material Producer		Ν	N+1	N+2	N+3	N+4	N+5	N+6	N+7	N+8	N+9
Sales	in k€	4 950	4 950	5 002	5 246	5 505	5 780	6 072	6 381	6 7 <mark>09</mark>	7 057
Cost	in k€	1 950	2 005	2 062	2 123	2 186	2 252	2 321	2 394	2 4 <mark>70</mark>	2 550
Fix Cost	in k€	960	979	999	1 019	1 039	1 060	1 081	1 103	1 125	1 147
EBITDA	in k€	2 040	1 966	1 940	2 104	2 280	2 468	2 670	2 885	3 114	3 359







And now ? Just Do It!

If this is working.....



•





2,50

2,50

Thank you, Merci & Dankeschön



