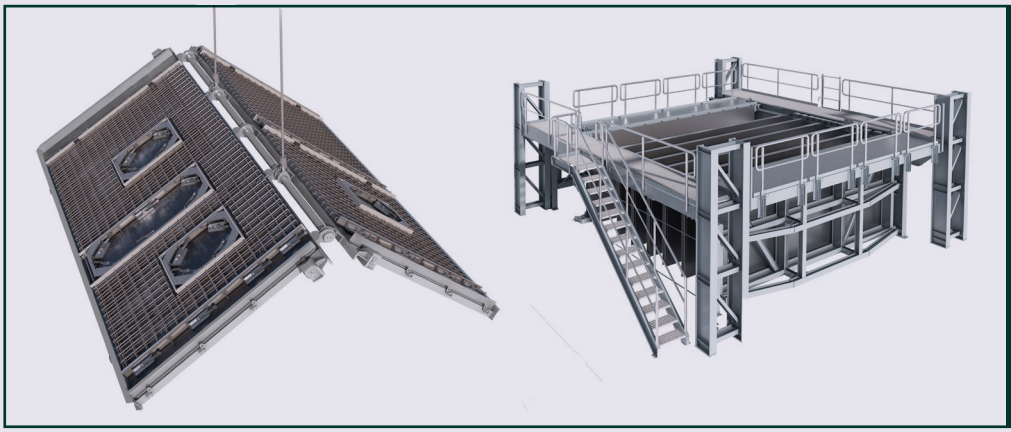
I AM HOME alliance

BT innovation



Multiple precast units per day*

most efficient production facility
+
fastest assembly procedures
+
internationally applicable

*Using battery mould with butterfly formworks

PRECAST CONCRETE TECHNOLOGY FOR EMERGENCY BUILDINGS IN CRISIS TIME

Isolation and Test Stations

All of the world is hit by the Corona virus and its drastic effects on all aspects of our lives. In most cases, there is an urgent need to erect testing stations, isolation chambers, or temporary hospitals. Obviously, conventional construction methods can't address the speed and volume requirements, and the only solution is using precast structures.

B.T. innovation GmbH, as an internationally well-known technology provider who has defined "faster construction" as its competency area, is willing to work hand in hand with its trusted partners who want to take a step in this way. It is the time when technology and experience should come to help.

Fig. 2: Exterior prospect of stations

Fig. 1: Exterior prospect of stations

Fig. 3: Interior prospect of stations

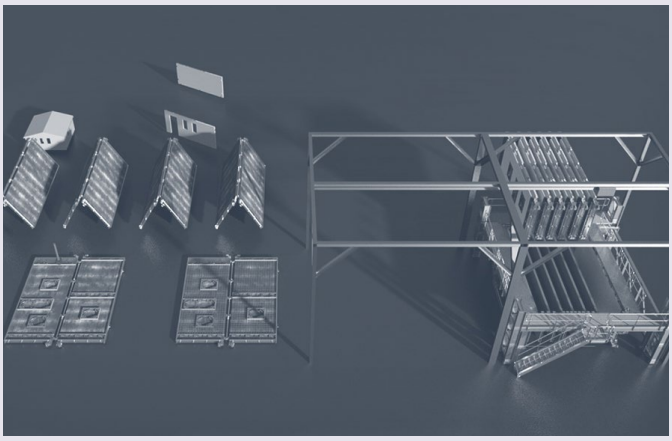


Fig. 4: Production of precast elements (Video)

Special Features

- Ready to be shipped and assembled
- Compact efficient production
- Outdoor or indoor setup
- Flexible in design
- Upgradable to over 600 m^2 precast parts per day

Production Phase

In emergency situations, it is important to use the production capacity at its maximum level. BT introduces the most efficient technology for prefabrication of panel-shaped concrete elements, Butterfly-Battery® mould. Low area requirements, compact design, and possibility to cast up to four times a day, are among the most important advantages of this system. By correctly breaking down the structural elements into suitable dimensions, all necessary parts of a building can be produced in Butterfly-Battery® moulds.

Currently, BT owns a ready to be shipped equipment which can be used in an existing production hall or set up outdoor as an independent factory.

This Butterfly Battery® Mould has a daily capacity of approx. 115 sqm precast elements. This volume can be increased up to over 600 sqm in a time period of almost 4 weeks. For longer time spans, any necessary mould capacity and dimension can be designed and manufactured.

Fig. 5: Indoor application

Fig. 6: Outdoor application

Assembly Phase

The goal is to erect the buildings on the target locations as soon as possible. BT has developed and introduced one of the most popular and efficient types of connectors in precast elements; BT-Spannschloss®, a dry mechanical connection which eliminate any further welding or concreting on site and is immediately load bearing. BT-Spannschloss® has made it possible to assemble a house in 2 hours. Using it together with our compressible sealing tapes makes the joints waterproof immediately. Watch the video for more information.

Fig. 7: Connection of prefabricated elements with BT-Spannschloss®

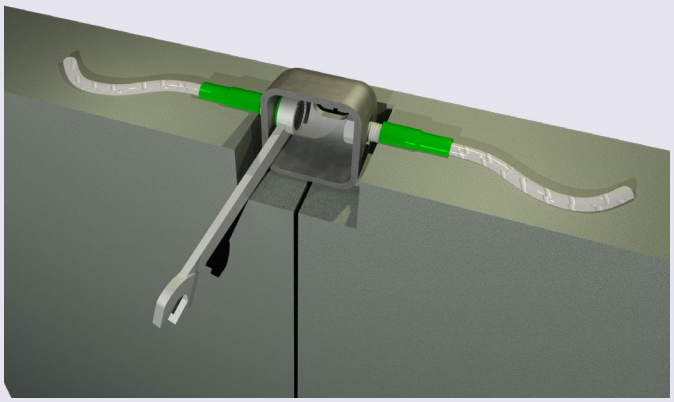


Fig. 8: Fastest and easiest assembly

Fig. 9: Assembly of a house in only 2 hours

Fig. 10: Immediately load-bearing joint, no idle time

Fig. 11: Affordable house - Kenya (Report)

International network

As a 30 year old supplier in international market of precast industry, BT has a wide network of partners and clients in more than 100 countries. The access to precast plants with the capability of putting the concept in action in a very short time is a valuable asset which BT can provide based on the location and characteristics of project. Especially in countries with unfortunately high infection rate, BT has close relations with competent precasters who can mobilize their capacity in this way. In USA for instance, we have an exclusive local partner who covers over 200 current customers.

As a member of "I AM HOME 1.618 global alliance against COVID 19" we are pleased to cooperate and support any innovative building design all over the world. We can overcome this crisis together!

Fig. 12: Social Housing - Project Russia (Architectural Studio «Dutch»)

Fig. 13: Modular housing - Germany (Max Bögl Modul AG)

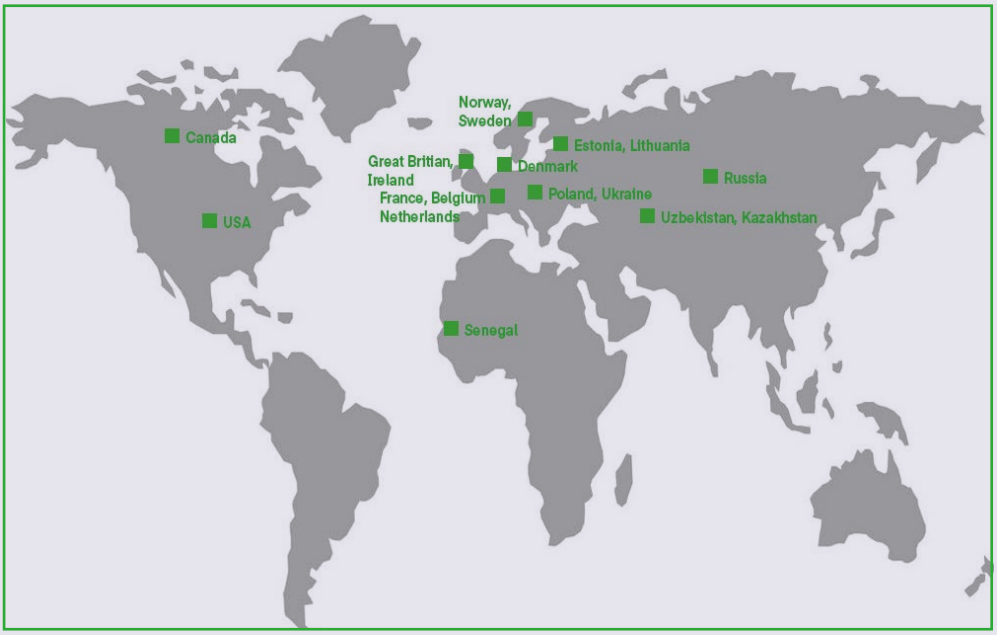


Fig. 14: International distribution network of BT (Contact details)

GET IN CONTACT WITH US!
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