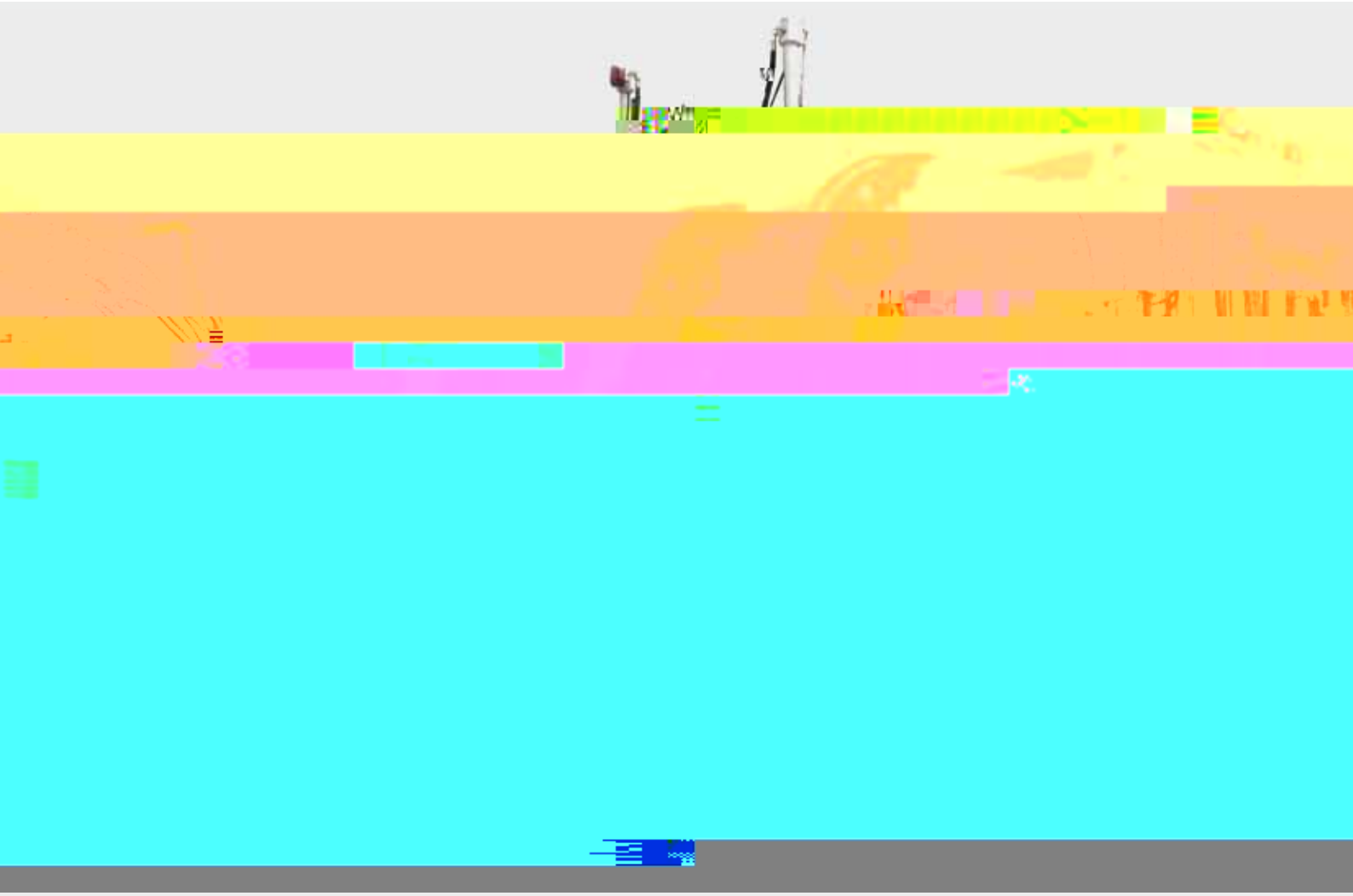
A member of WEB

HESS



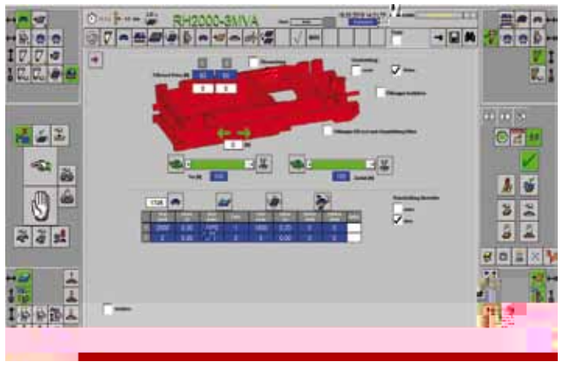
WE PUT CONCRETE INTO SHAPE

HESS Control system

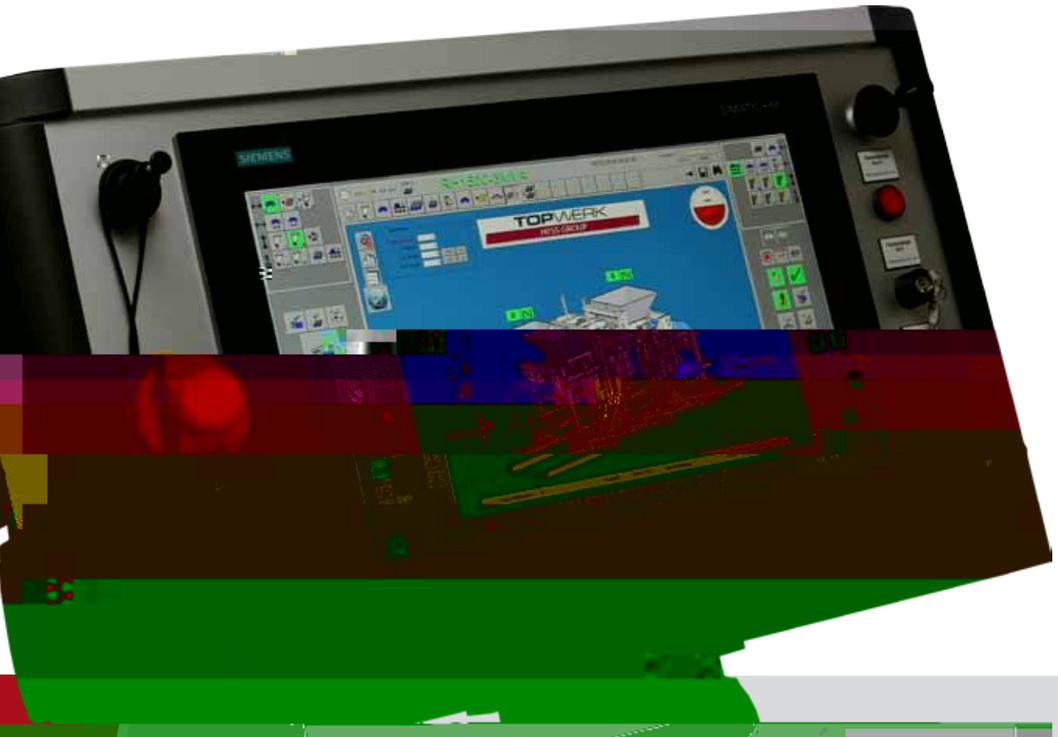
- Control Panel adjustable for height and screen angle to match operator's preference or need
- User Interface has touched panel clearly arranged with intuitive graphics
- Symbolic buttons manage speci□c parameters to improve understanding within shortest time
- Adjusting one parameter automatically and correctly changes corresponding pre-set parameters without further complex input of many parameters
- Many adjustments are set by a simple slider to allow newer operators to become familiar with logic and operating knowledge

Further features of operator controls:

- Automatic mold change can be supervised by a remote control directly at the machine
- Settings for molds and product groups are saved and automatically retrieved
- Operator control extends throughout entire plant work centers (Mixing/Batching; Production; Curing; Handling; Treatment; and Packaging)



Filler box controlled by sliders



HESS Production Statistics (Industry 4.0)

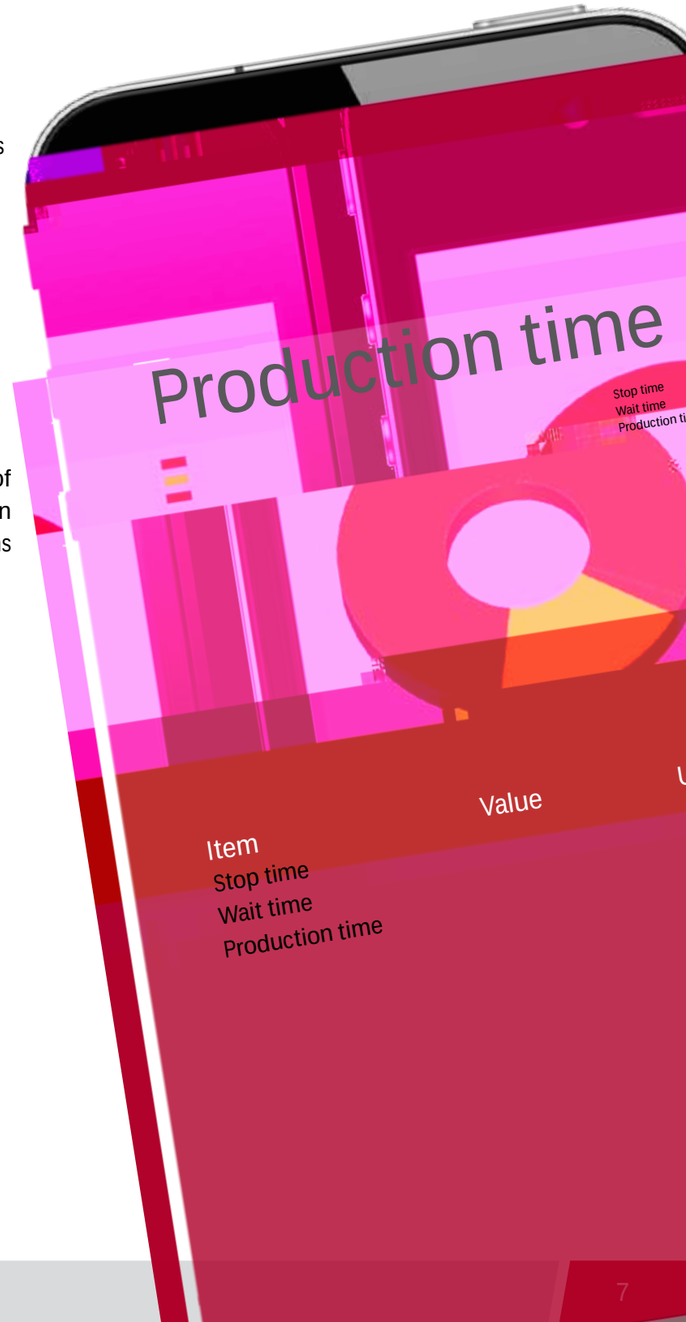
It is important for operators and supervisors to have access to critical production data to assess the performance status of the product orders to better serve customers and manage pro□tability. All relevant information is collected in a Microsoft SQL database is retrievable by authorized managers on their monitors, or remotely via web-based visualization screens.

Features of the HESS Production Statistics:

- Data is sorted by location, plant, and plant equipment
- Multiple facilities can be monitored and evaluated
- Data is accessible via mobile devices (smartphones or tablets) anytime and anywhere
- Included as standard with new installations. Retro□ts are possible
- Data for each work center (mixers; production machines; □nger cars; curing chambers; splitters; etc.) are collected and tracked
- Data is available for import into business system

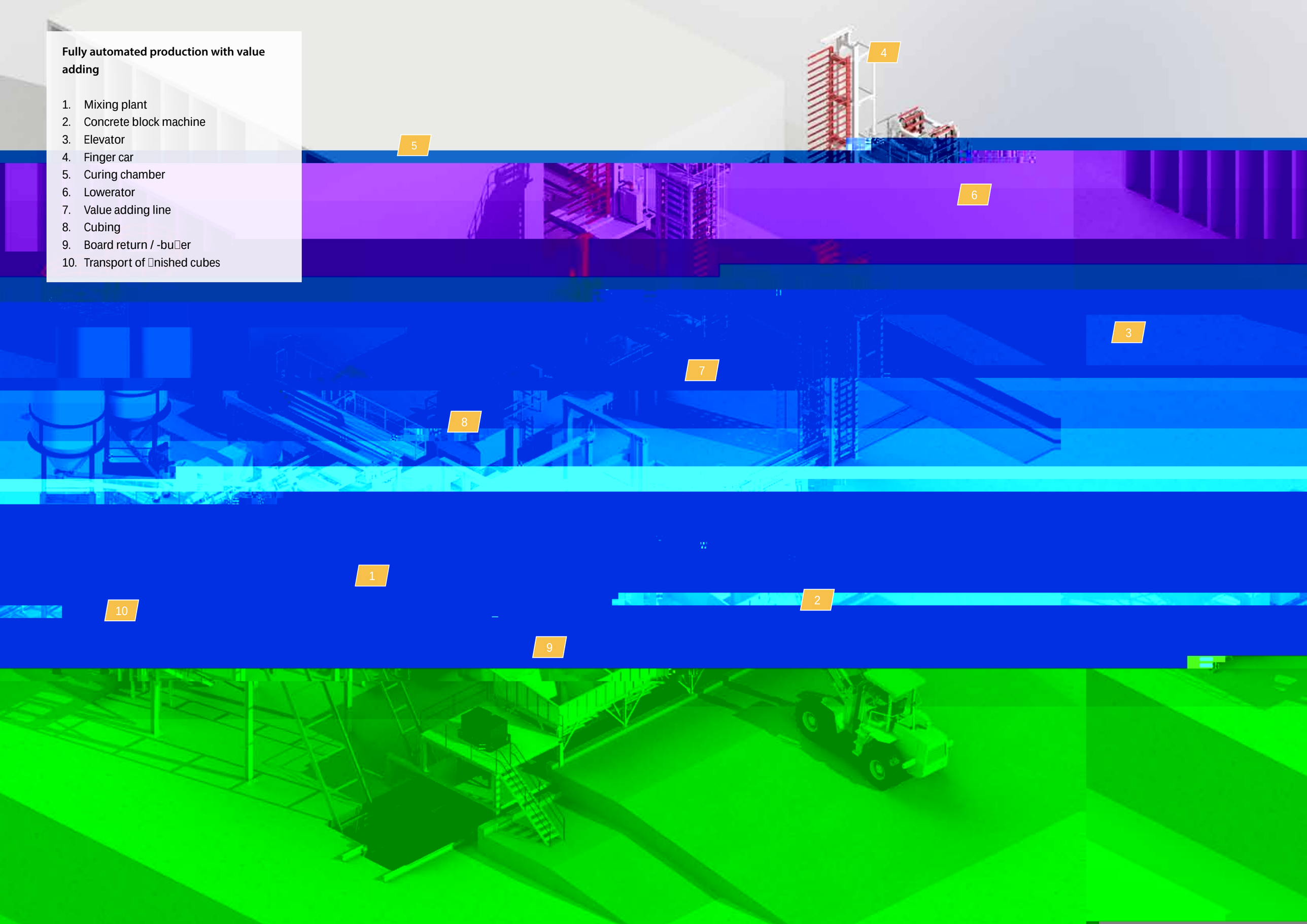
As the industry demonstrates increasing digitalization of production processes (Industry 4.0) the HESS Production Statistics supports continuous improvement programs and other manufacturing excellence initiatives.

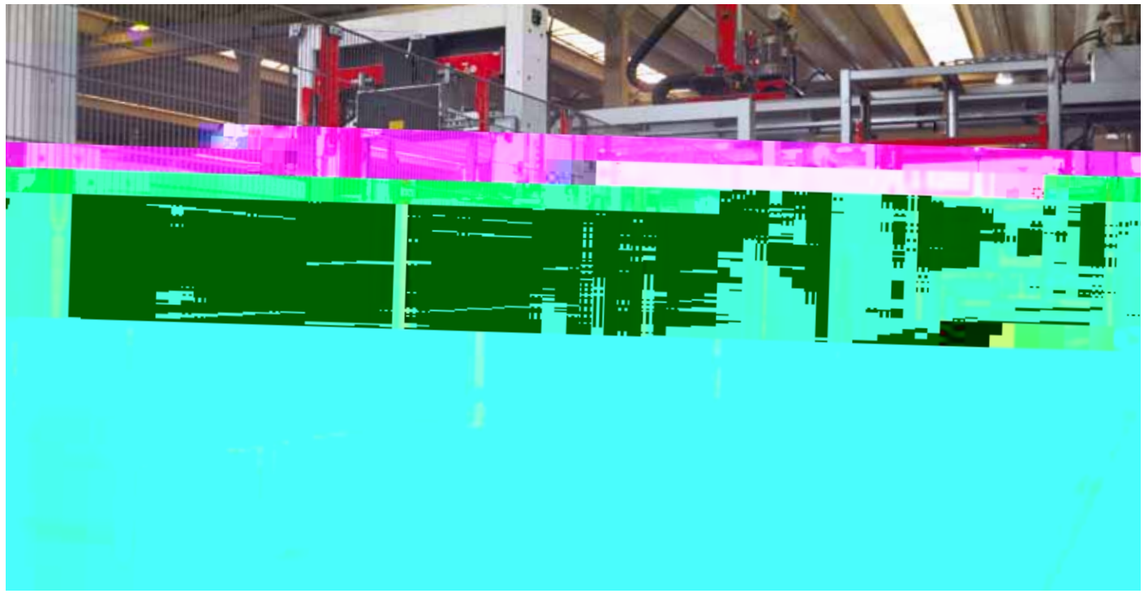
- Digital chamber and storage administration
- Link to ERP Systems (SAP, Navision, Oracle)
- Integration of parametric value data for quality control
- Product tracking
- Integration into customer-speci□c order management



Fully automated production with value adding

1. Mixing plant
2. Concrete block machine
3. Elevator
4. Finger car
5. Curing chamber
6. Lowerator
7. Value adding line
8. Cubing
9. Board return / -bu□er
10. Transport of □nished cubes





Dry Side

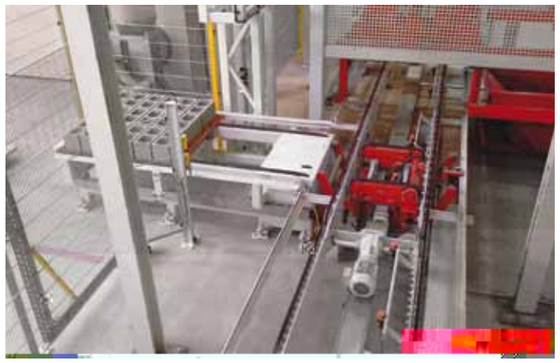
Balance. Speed. Ideal.
Transfer and handling systems.

HESS supports the e□ciency of their high quality and high volume mixing and production systems with matching pro□ciency in the transfer and handling systems. The necessity to transfer, bu□er, and store fresh and cured product is essential to sustaining a balanced □ow rate while maximizing the throughput pace of □nished product.

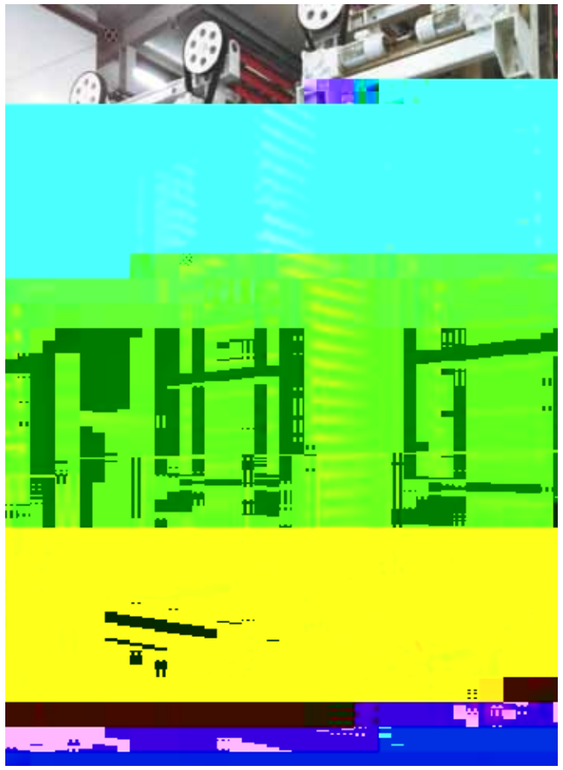
More and more, manufactures need to harmonize the wet side and dry side cycle times across a wider range of product requirements. HESS has the know-how and equipment technology to optimize these balancing logistics to deliver the highest quality, greatest output, and lowest unit cost.

Our fully-automated transfer, handling, treatment and packaging lines communicate with each other and are intuitively displayed on the operator control screen for smarter insights and understanding.

Bu□er rack



Ejection station



Lowerator with bypass

Finger car

Washing system

Stone layer doubling unit and cuber

HESS GROUP

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