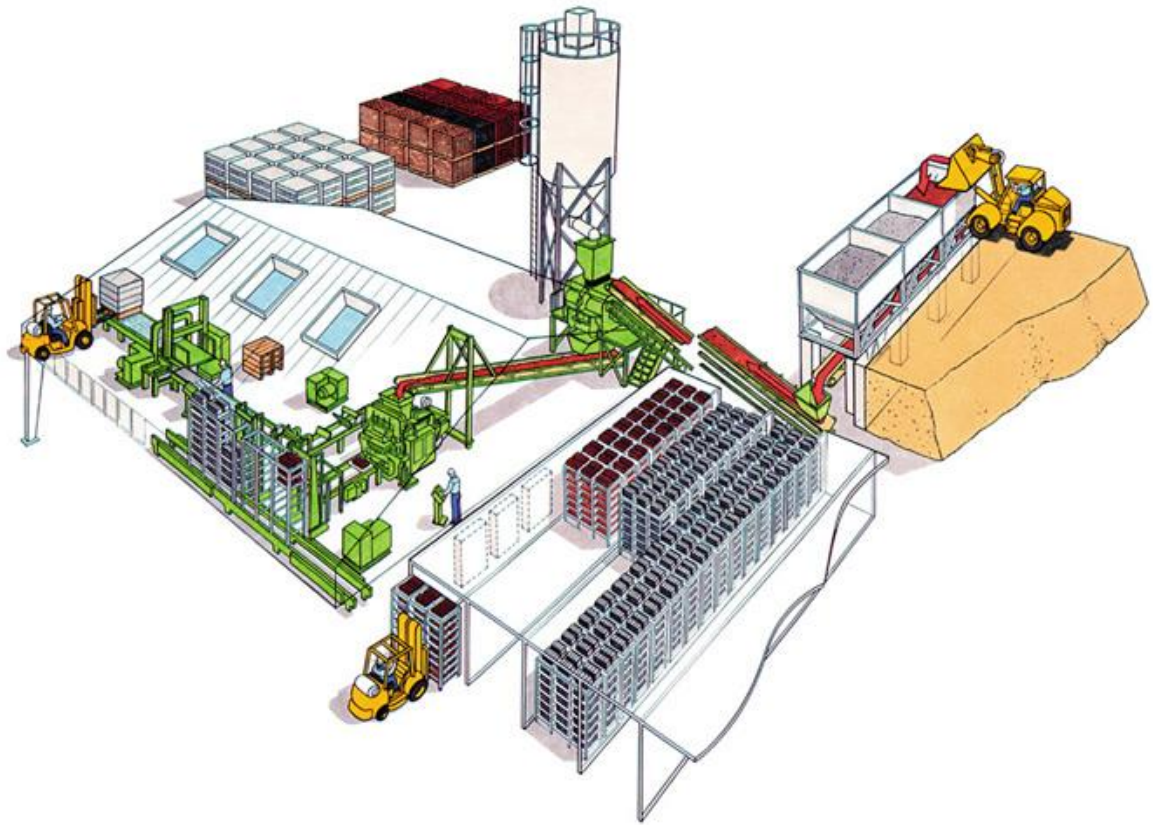


Columbia

Concrete Products Plant Primer



OVERVIEW

- This is a brief guide for those of us who are new to the Concrete Products Industry, and is designed to answer two questions:
 - What are concrete products?
 - How does a Block Machine make concrete products?

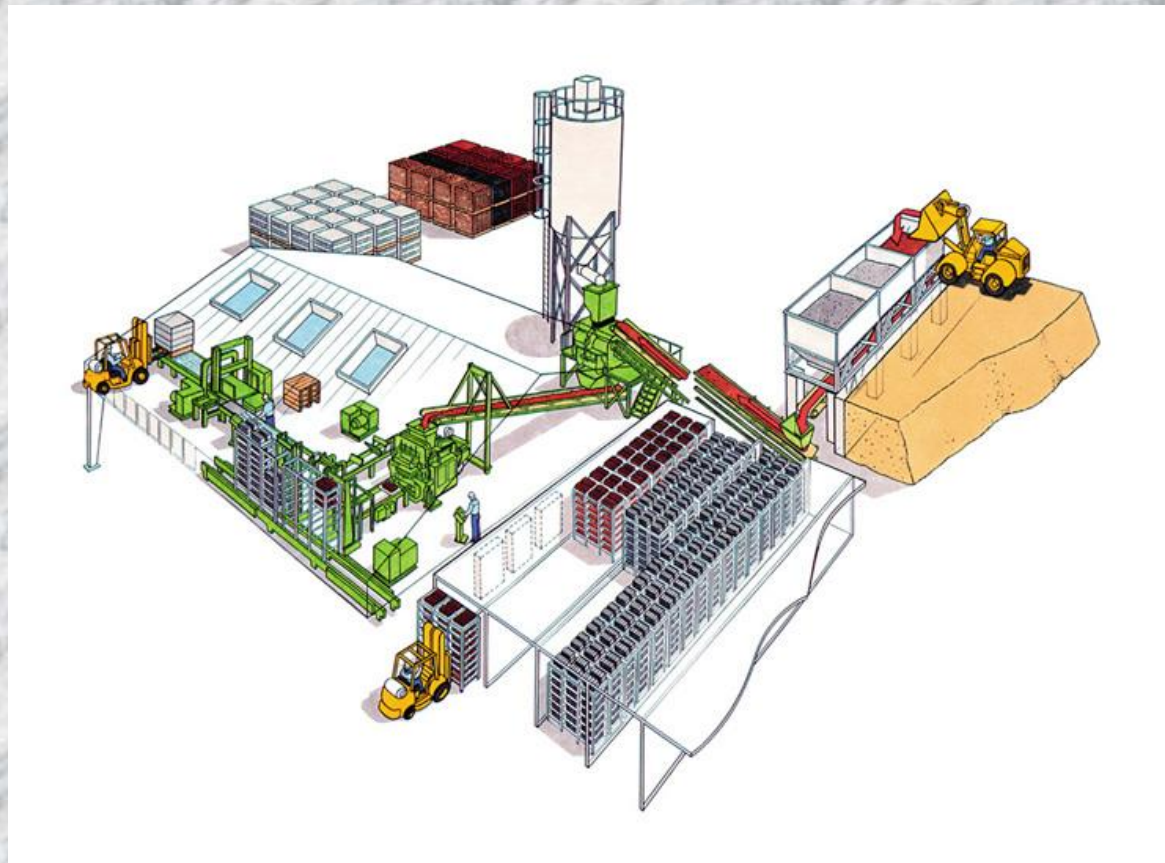
What do Block Machines make?

Block Machines make products such as:

- Pavers
- Concrete Block
- Retaining Wall Block

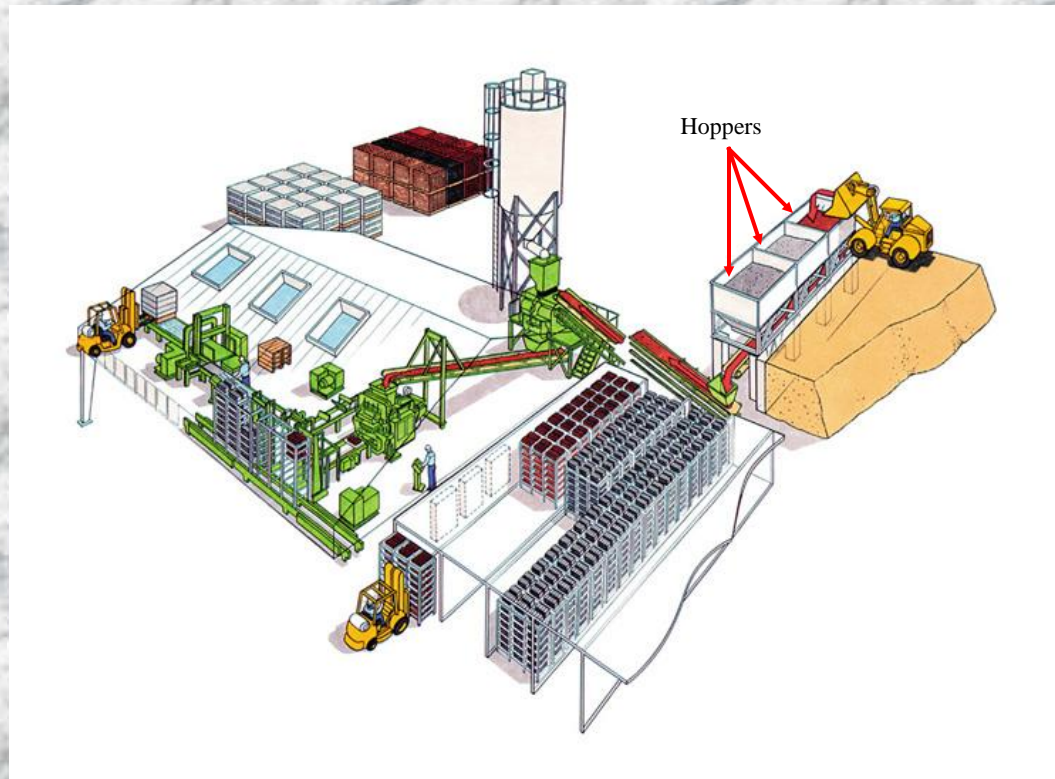
How does a Block Plant make concrete products?

The process goes something like this:



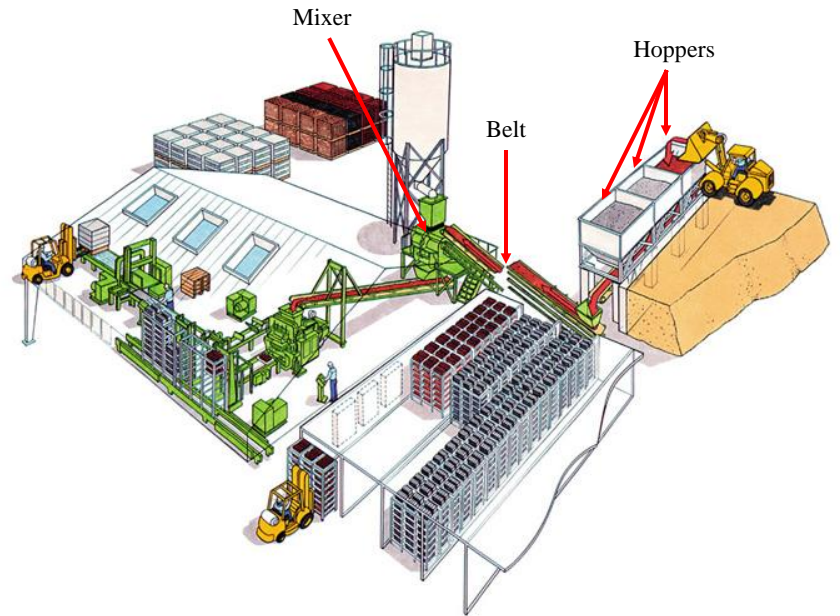
Process

- Aggregate is deposited into Hoppers:



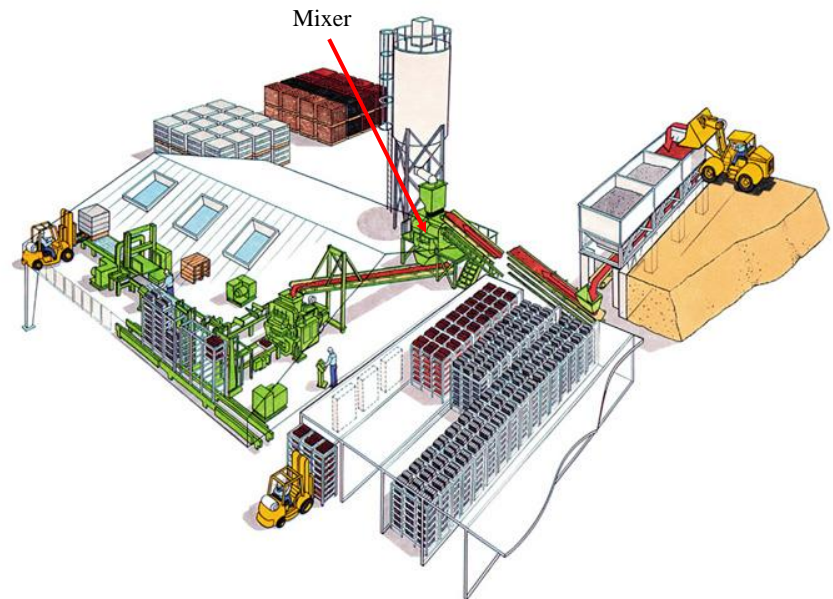
PROCESS

- Aggregate is transported:
 - From the Hoppers
 - Via the Belt
 - To the Mixer



PROCESS

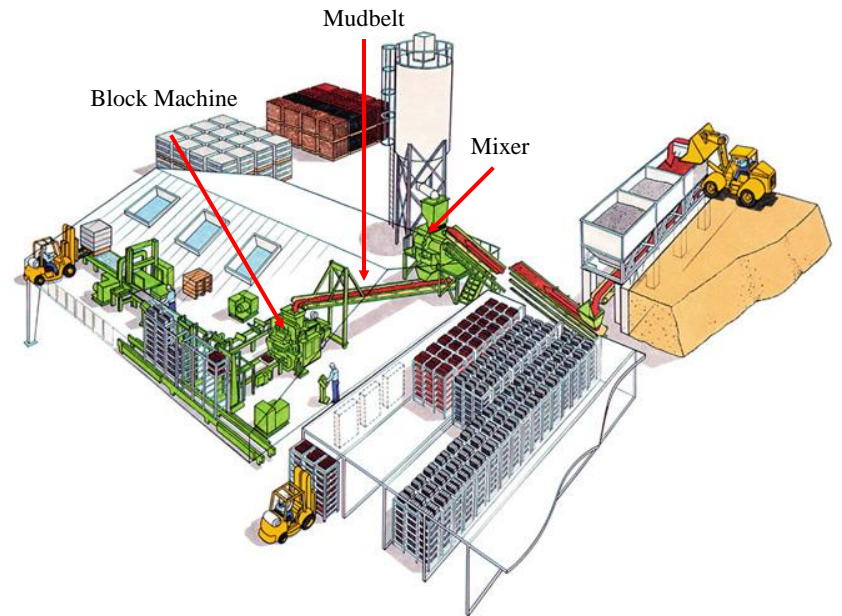
- At the Mixer, aggregate, cement, and water are combined to create the “Mud” or material for concrete products



PROCESS

The “Mud” is transported:

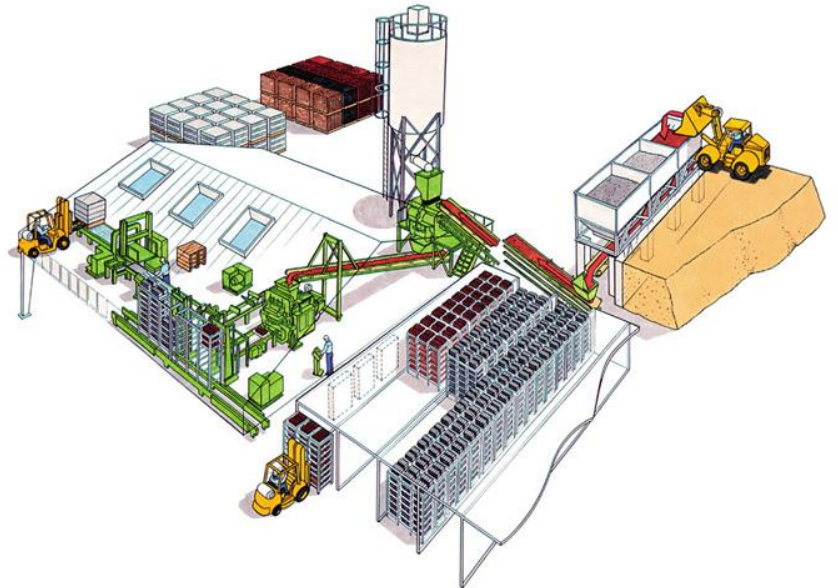
- From the Mixer
- Via the Mudbelt
- To the Block Machine



PROCESS

At the Block Machine:

- Mud is deposited in the Mold
- The mud is compressed to form a block or tile

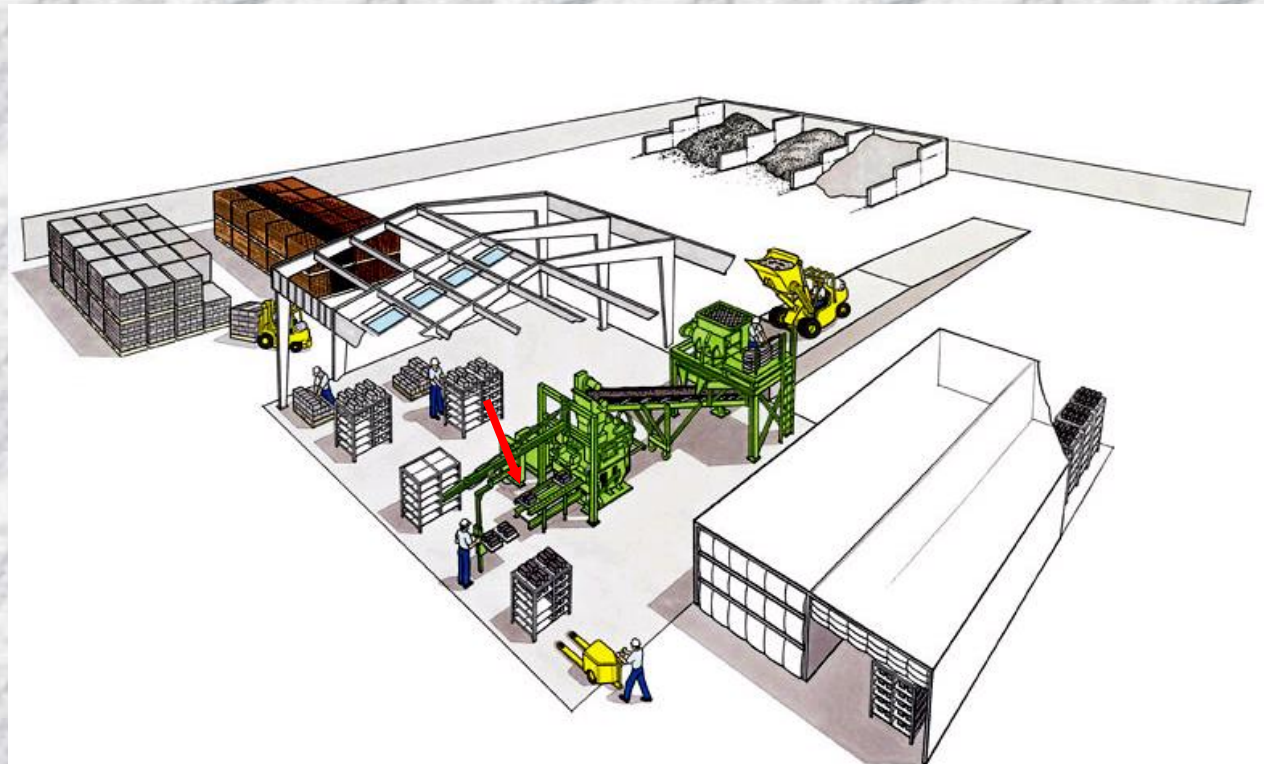


PROCESS

- The mixture is compressed while in the Mold, forming a Block

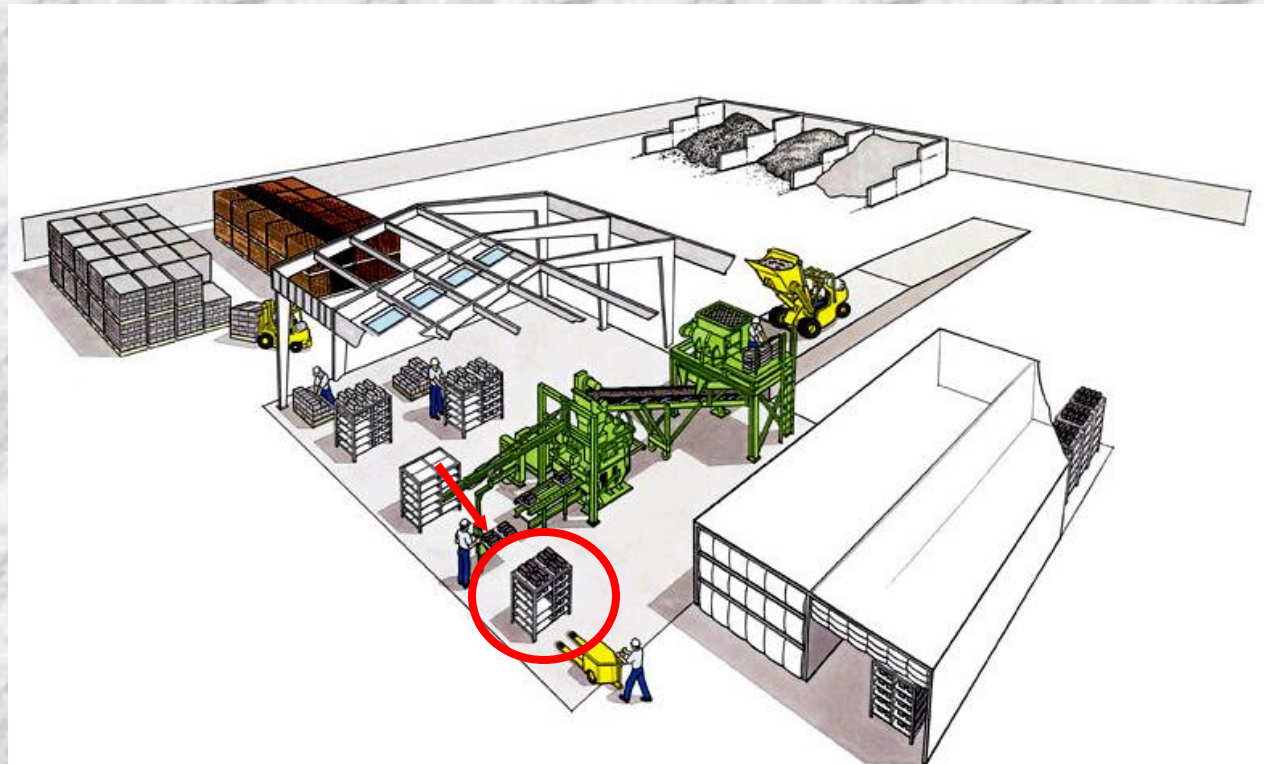
PROCESS

- The newly formed Block is positioned on the Rollway



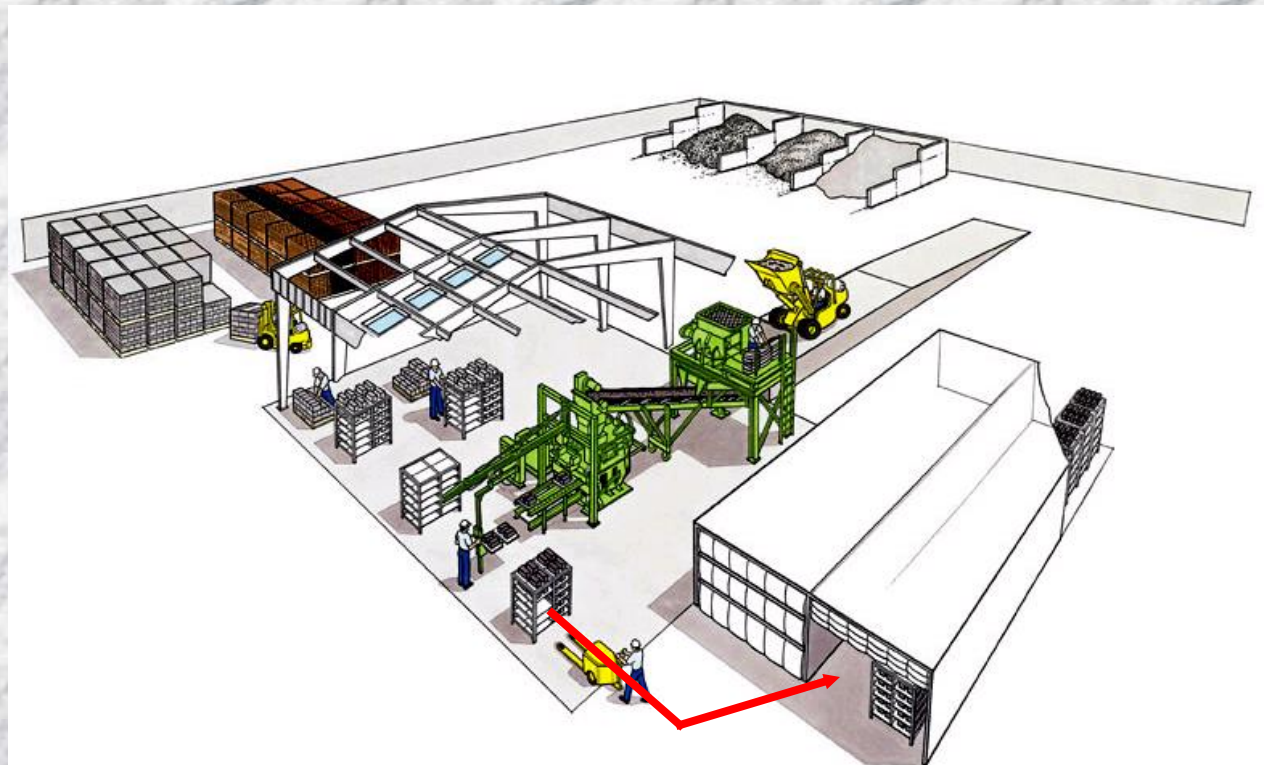
PROCESS

- The Block is transported via the Offbearer from the Rollway to a Rack



PROCESS

- The fully loaded Rack is transported to the Kiln, where the Block will cure



PROCESS

- When cured, the Block is taken out of the Kiln and is ready for use

