Construction Logistics

Material flows, buffers, restricted times, assembly windows – we secure logistics so that construction work does not have to wait for materials. Because on many construction sites, it is not the construction work that is the bottleneck, but the supply: incorrect sequence, missing handovers, too little buffer in the right place, or unclear responsibilities at the interfaces.

HSC stabilizes construction site logistics so that they become plannable, robust, and synchronized – even in tight spaces, with a high density of trades, and changing boundary conditions.

What we can achieve for you
- Less downtime thanks to guaranteed availability of materials and equipment
- Clear installation windows: materials arrive when needed – not too early, not too late
- Reduced search and rearrangement times thanks to clear storage and provisioning logic
- Greater work safety and order thanks to defined routes, zones, and rules
- Better deadline quality: Logistics becomes part of the control system – not a "firefighting exercise"

Where construction site logistics typically breaks down (and how we stabilize it)
- Materials are there, but cannot be unloaded (restricted hours, access, crane occupied)
- Material is there, but in the wrong place (rearranging, double handling)
- Material is on its way, but not synchronized (peaks, congestion, chaos)
- Assembly windows exist, but without safeguards (staff, equipment, approvals missing)
- Responsibilities are unclear: "Someone does logistics on the side"

HSC applies the classic levers here: planning, rules, responsibility, control in sync.

What HSC does specifically (operational and measurable)
1) Material flow design and construction site logistics plan
We develop or refine a construction site logistics plan that works:
- Delivery logic (time windows, slots, priorities)
- Zone planning (delivery, storage, provision, assembly areas)
- Route concept (pedestrians / industrial trucks / trucks)
- Interfaces to construction process and trades

Result: Material moves in a controlled manner – not randomly.

2) Setting buffers correctly (not "more storage," but "the right storage")
Buffers are necessary – but only where they are effective:
- Buffers for critical components (long delivery times, high impact)
- Buffers after assembly sections (cycle-oriented)
- Rule: as small as possible, as reliable as necessary

Result: Less chaos, more security in the process.

3) Secure blocking times, bottlenecks, and resources
Construction sites have hard bottlenecks: cranes, elevators, access roads, unloading zones, assembly platforms.
We make these resources visible and controllable:
- Capacity planning for bottleneck resources
- Blocked time management and approval processes
- Clear priorities when things get tight

Result: No "crane lottery" – just plannable slots.

4) Plan and protect assembly windows
An assembly window is only a window when everything is ready:
- Material (complete, checked, in the right place)
- Personnel and equipment available
- Approvals and preliminary work completed
- Safety and access conditions met

We define "ready-to-install" criteria and put a short, reliable inspection ritual in place beforehand.

Result: Assembly starts cleanly – without improvisation.

5) Integrate suppliers, carriers, subcontractors
Construction logistics is always a network of participants.
We ensure that external partners deliver in a predictable manner:
- Clear delivery rules, check-in/check-out
- Escalation paths in case of deviations
- Transparency regarding status (in transit, arrived, unloaded, provided)

Result: Fewer surprises – better cooperation.