

TFL 2000 FORMWORK LIFTING HOIST

CAPABILITY **I**N **A**CTION

FORMING EXPECTATIONS

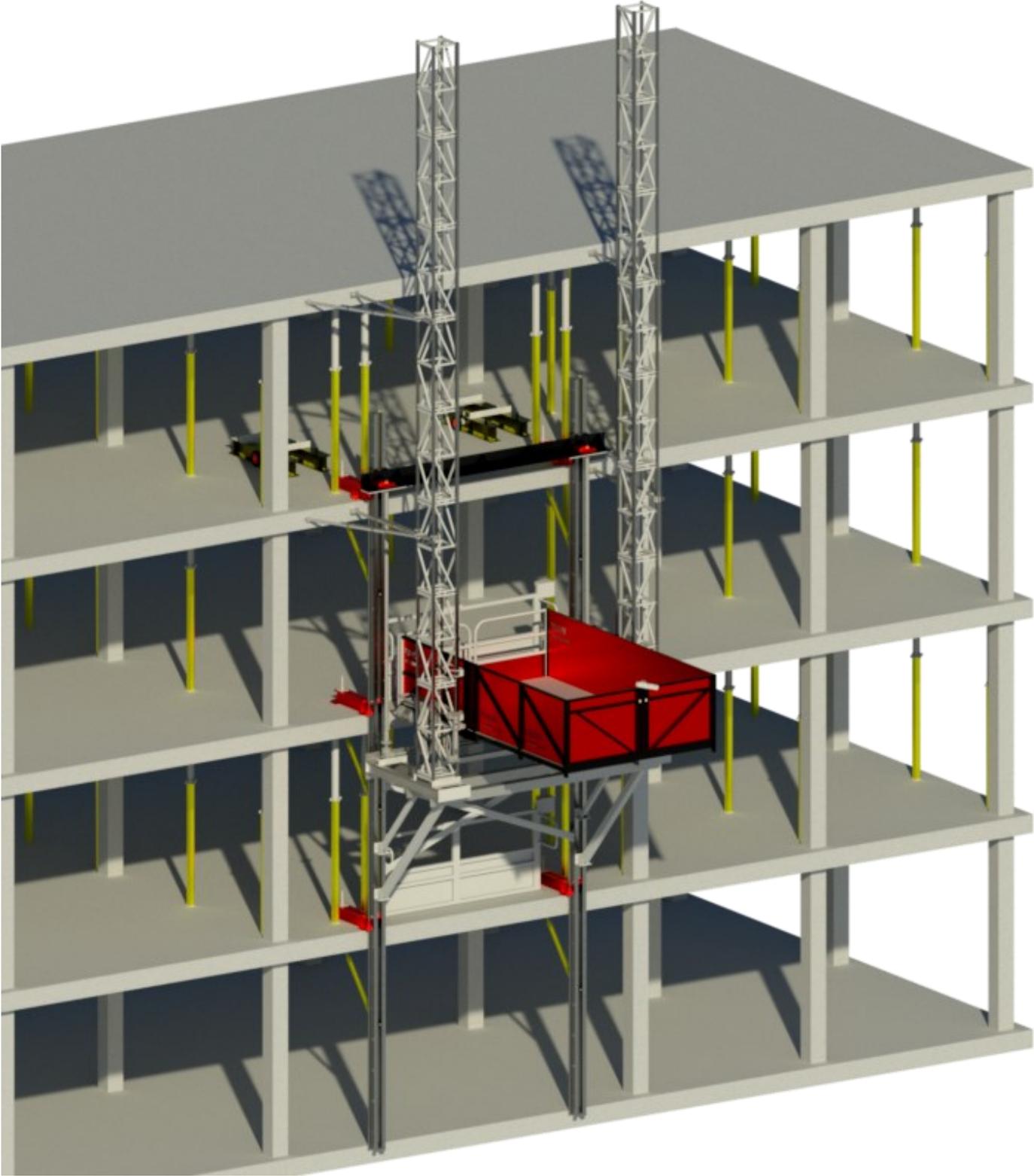


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NTRODUCTION

INNOVATIVE TFL 2000 FORMWORK HOIST PLATFORM SYSTEM

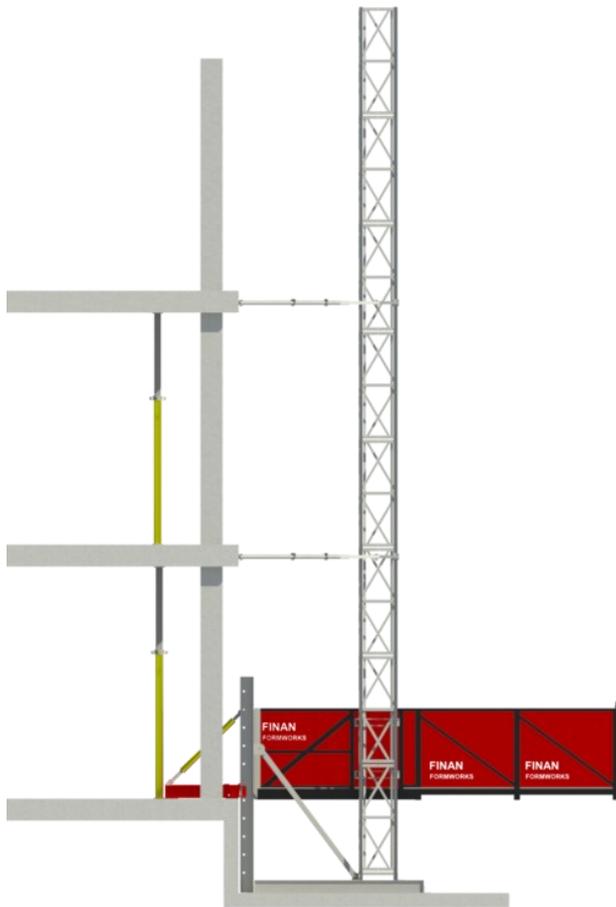
Engineered for flexibility in attachment & efficient vertical formwork movements

The TFL 2000 Formwork hoist serves as a valuable asset, when considering the vertical distribution & logistics for slab formwork systems during construction of your highrise concrete structures. Our number 1 consideration is the ability to increase the formed area production rates, simply by providing a solution where slab formwork can be vertically distributed, independent from the crane.

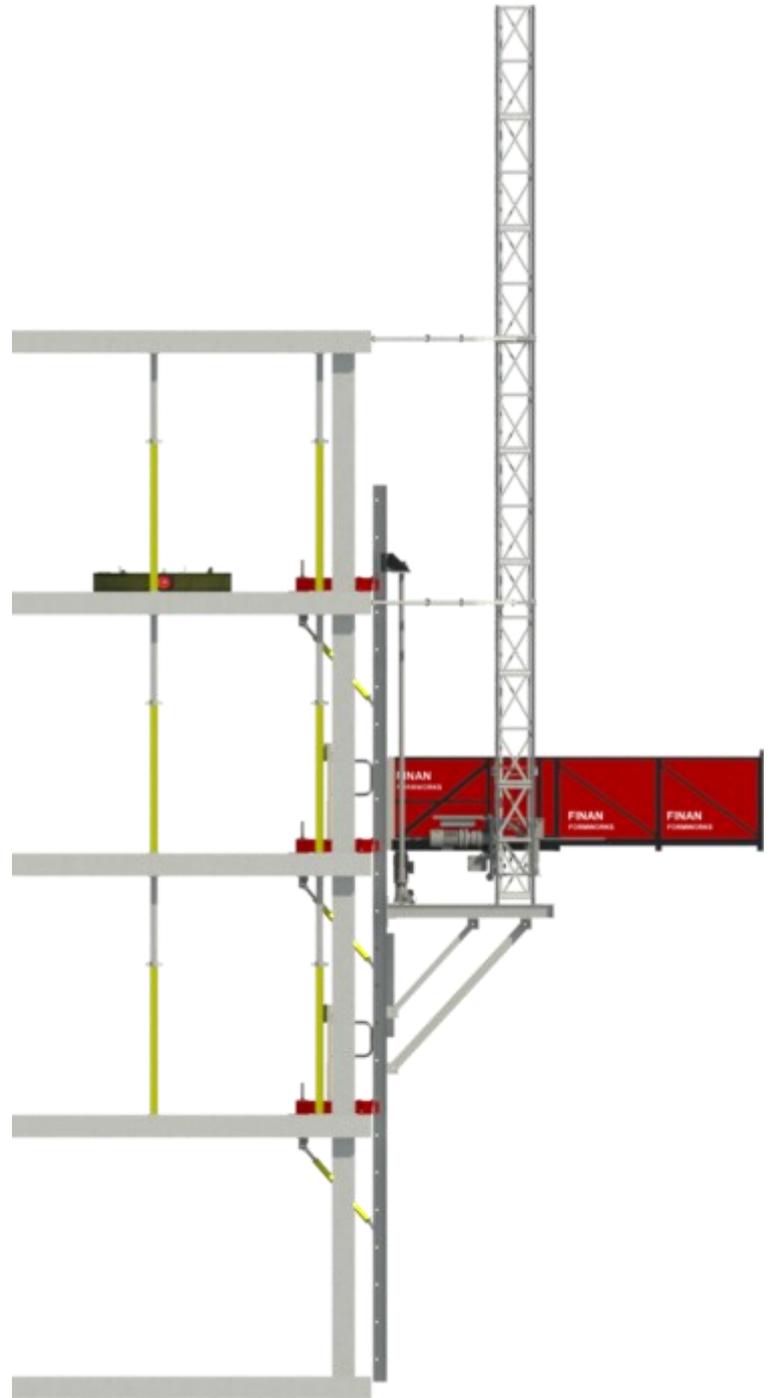
The formwork lifting system also adds value when considering, perimeter safety, potential high wind conditions, which ultimately affect the ability to use cranes, with downtime having a negative impact on programme.

- ◆ Crane free formwork handling
- ◆ Increased efficiency for formwork strike & fix
- ◆ Flexible connectivity at lower & upper levels
- ◆ Increased load capacity of 2000 kg

I NTRODUCTION



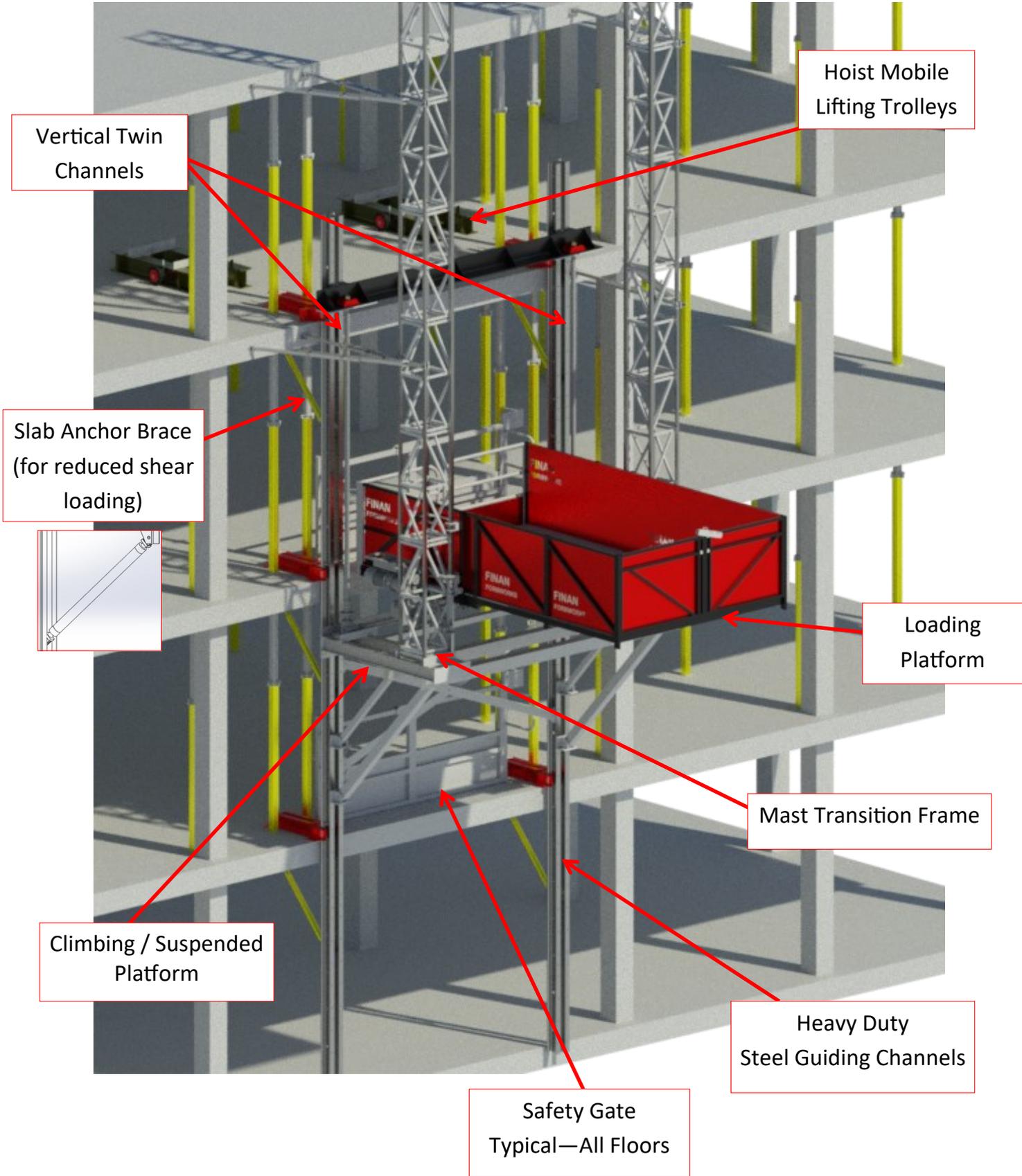
The TFL 2000 is designed and configured such that it can be based from the ground slab, allowing formwork movements to commence at the lowest possible level.



The TFL 2000 formwork hoist configured for easy attachment to the building at upper levels, providing access to multiple floors for efficient formwork movements.

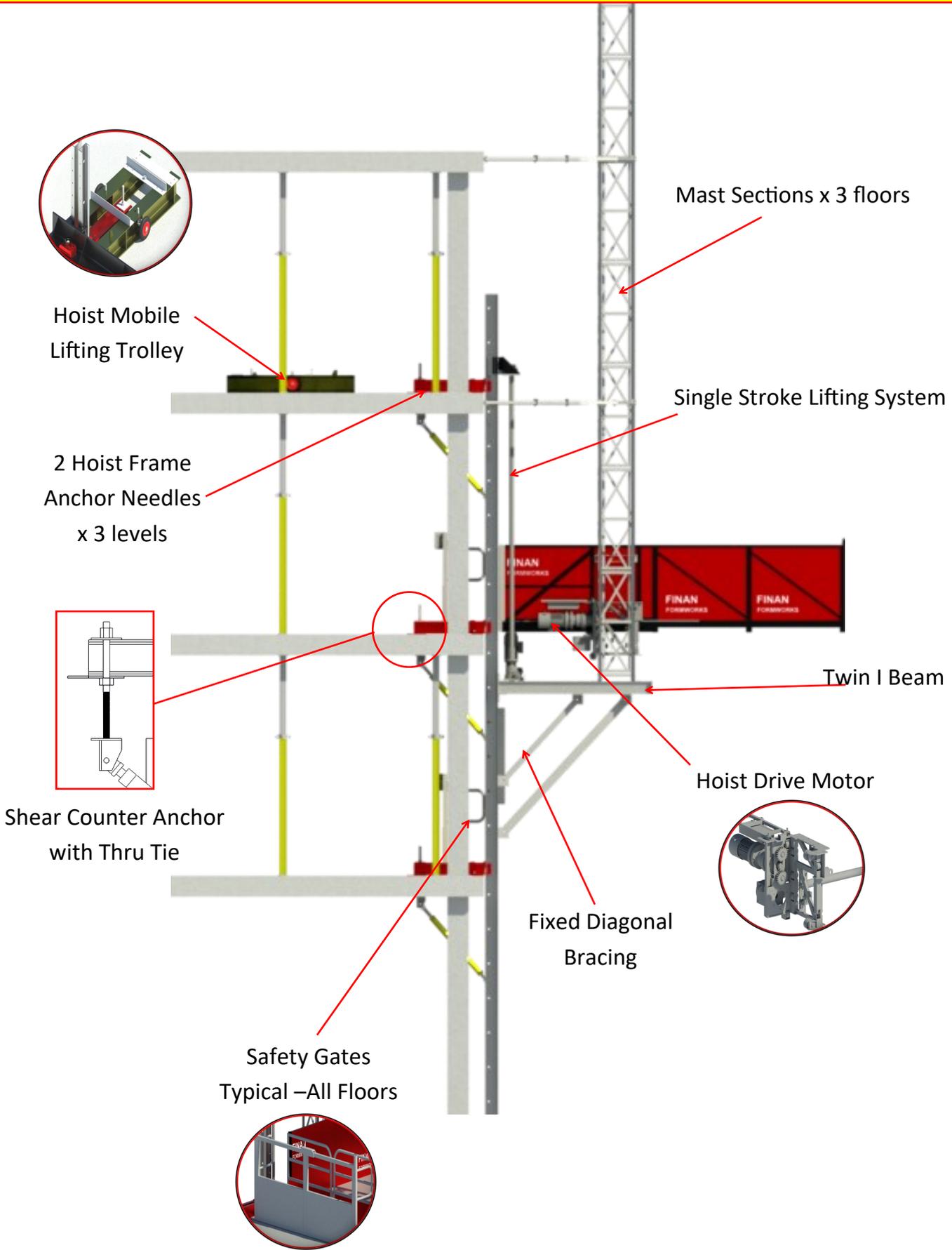


FORMWORK LIFTING HOIST OVERVIEW





FORMWORK LIFTING HOIST OVERVIEW





ADVANTAGES

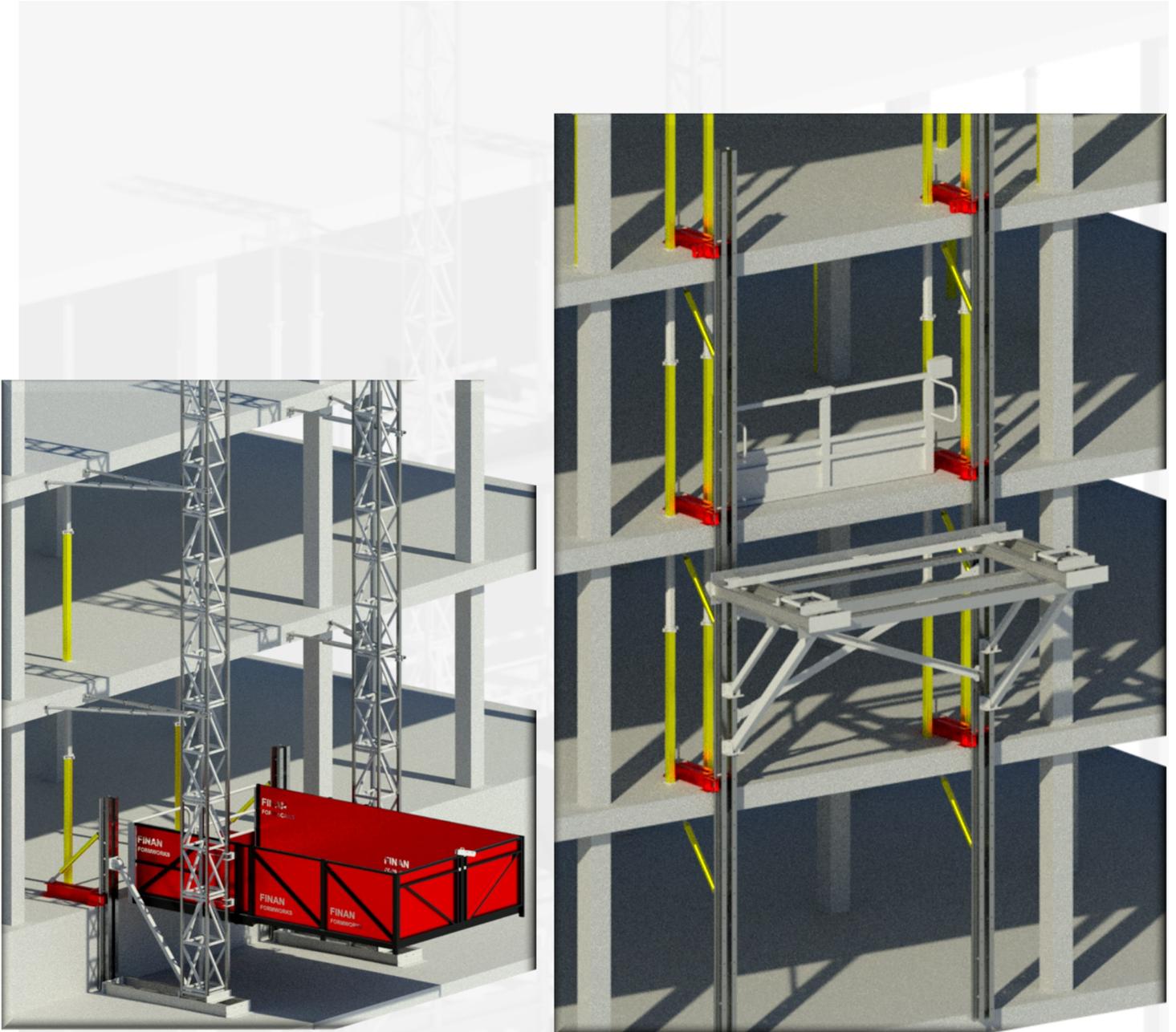
1. High load Capacity & Safe Vertical transportation
2. Enclosed Large area platform
3. Reduces pressure on crane hook time
4. Reduces impact during inclement & windy weather
5. Self climbing mechanism in single stroke floor to floor

IMPORTANT REASONS TO DEPLOY THE SYSTEM

- 100 % availability for vertical formwork distribution / movements
- Removes the vertical formwork distribution from the crane workload
- Multi floor access at all live RC Structure levels
- Reduces impact during inclement & windy weather



COMPONENTS



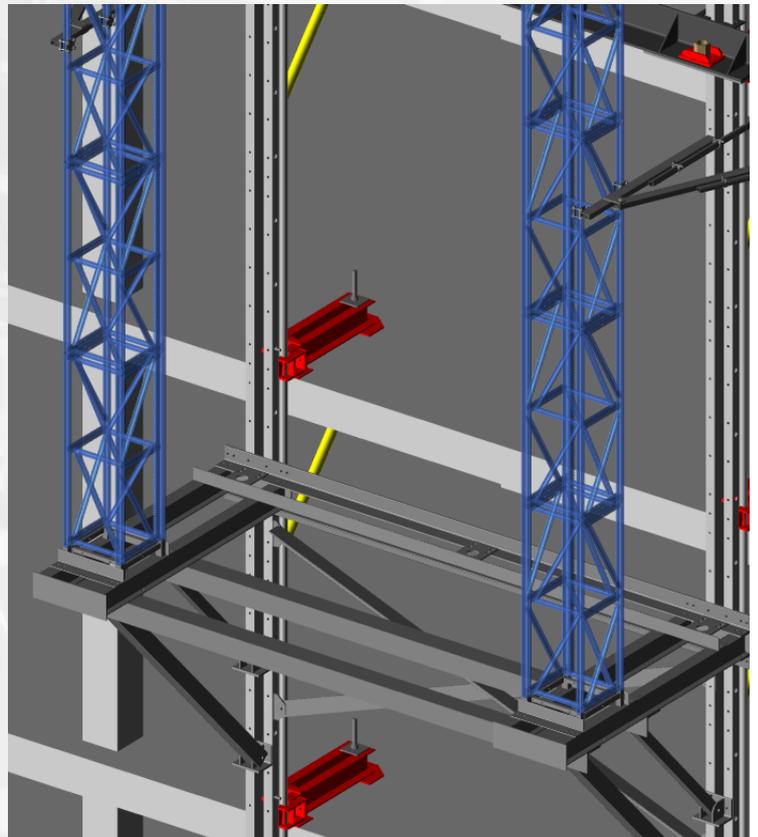
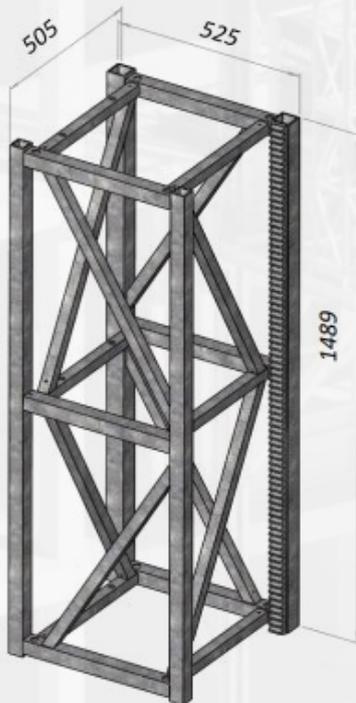
Hoist Base Frame for Ground set up

Hoist suspended frame for upper level support & self climb

COMPONENTS

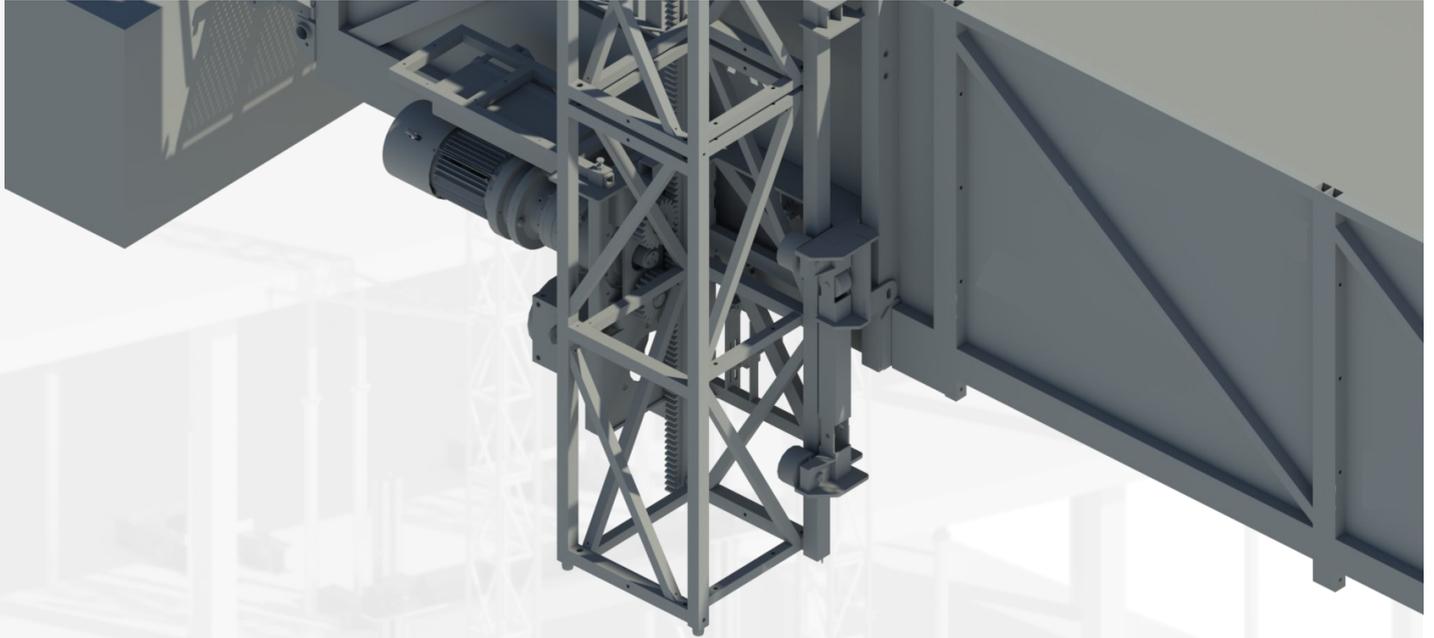


Hoist main loading platform

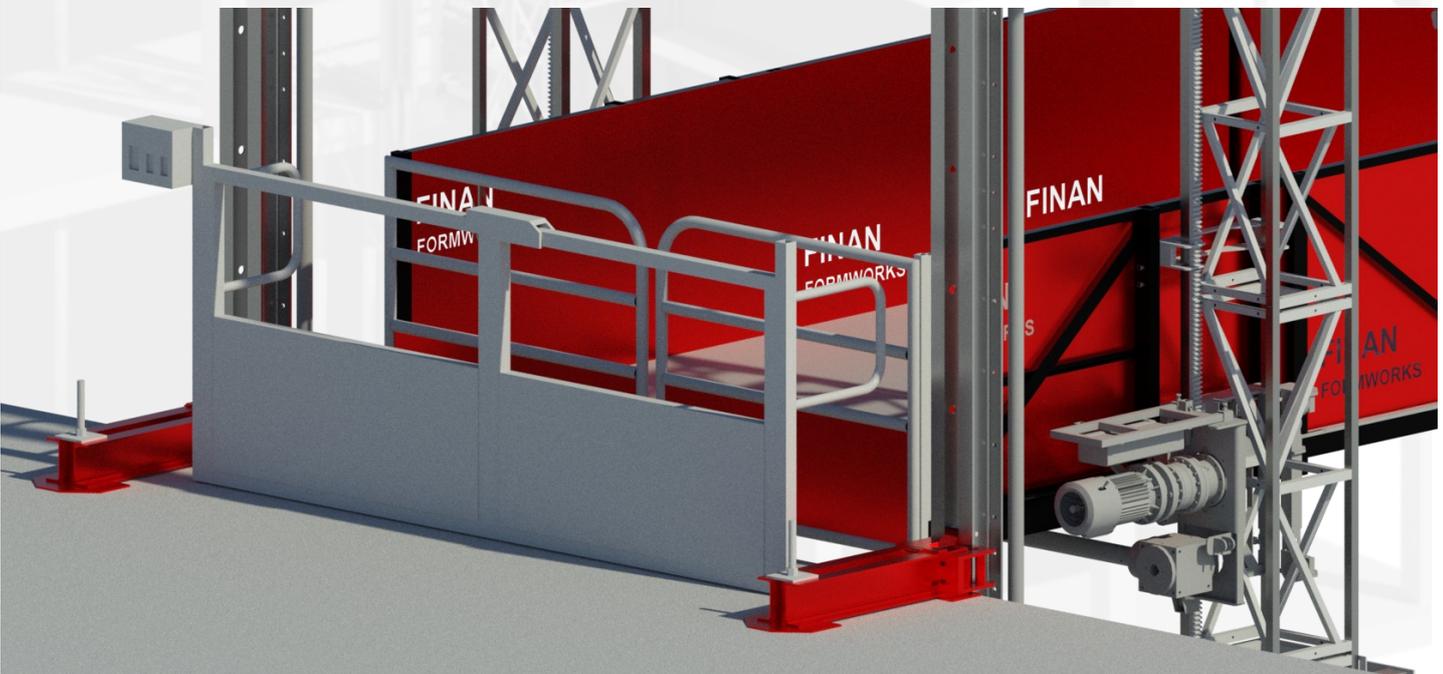


Hoist Mast Sections

COMPONENTS



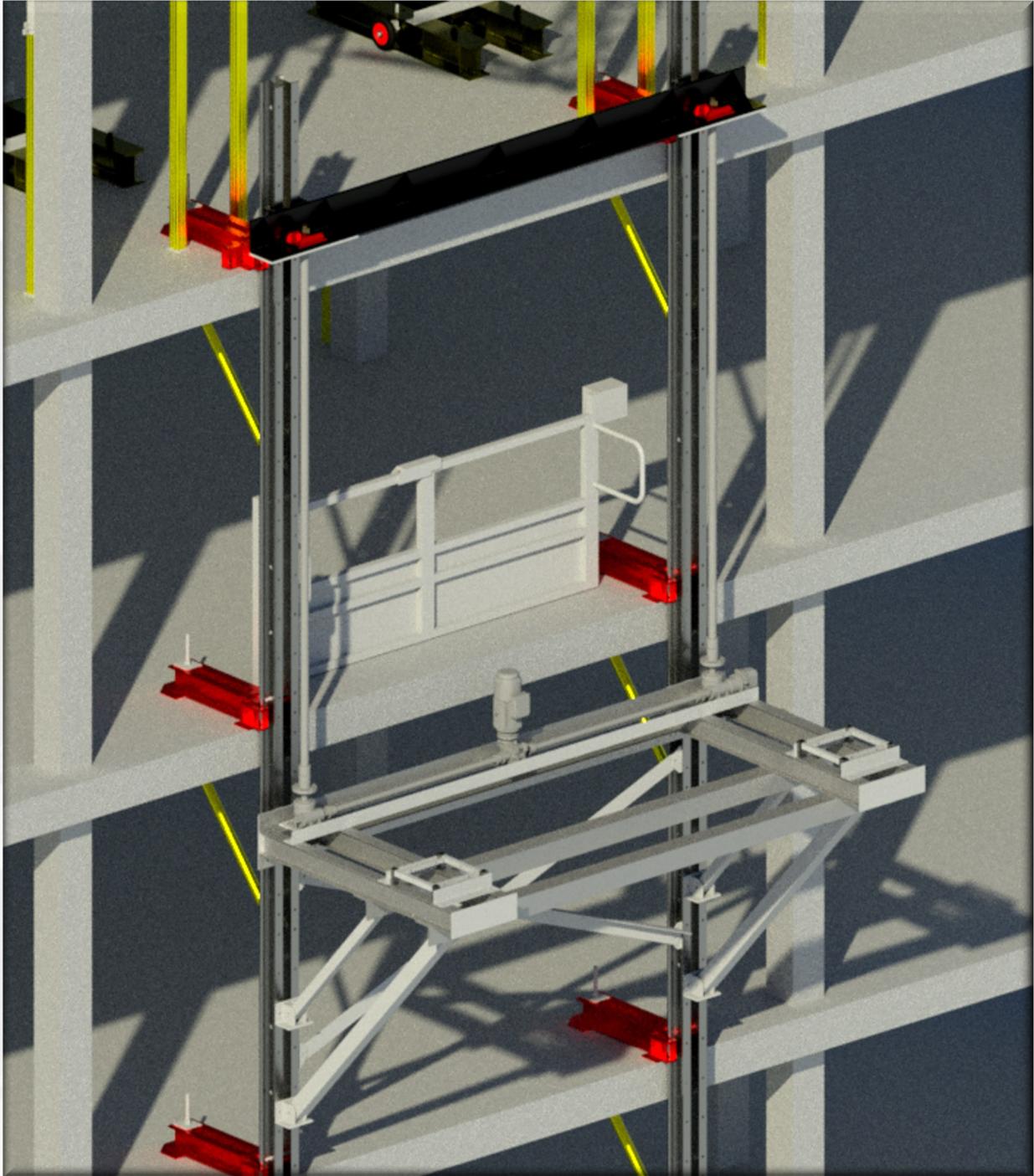
Hoist drive motors & braking system



Hoist Safety Gates & Remote Control

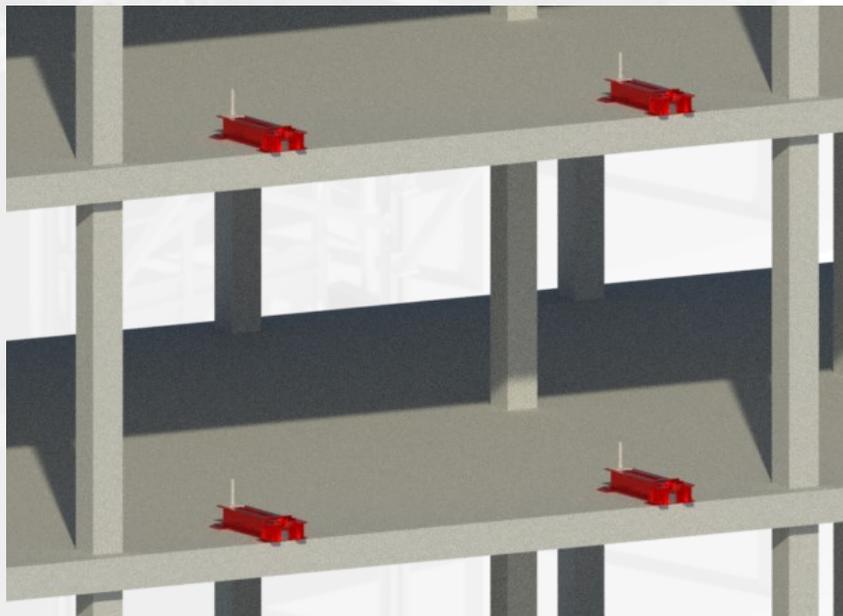
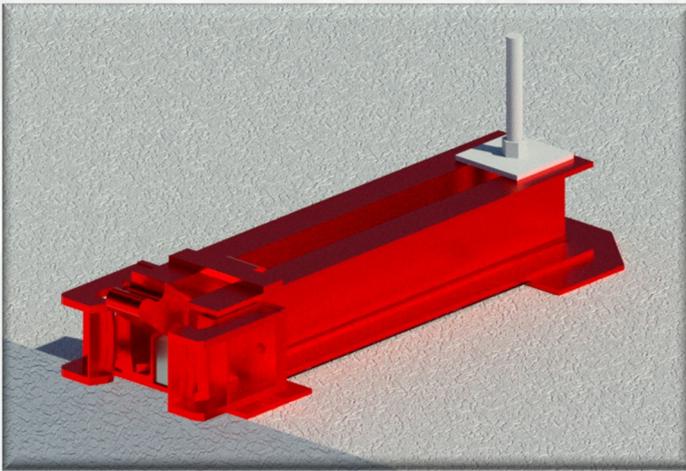
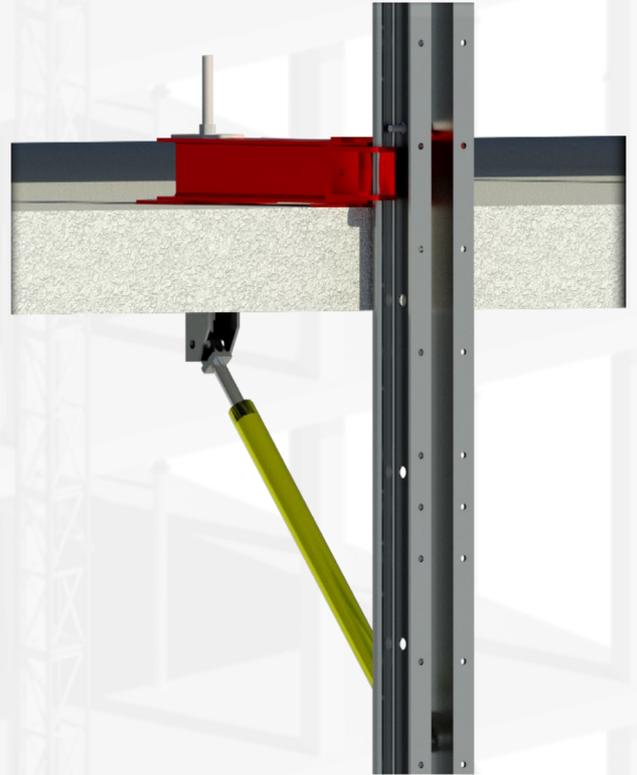
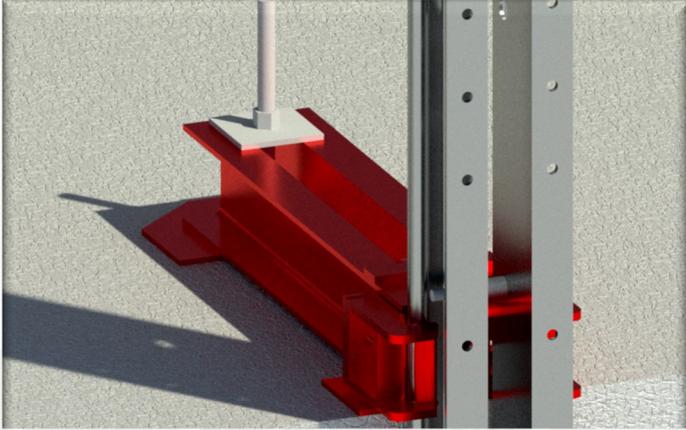


COMPONENTS



Hoist Self Climbing mechanism between floors

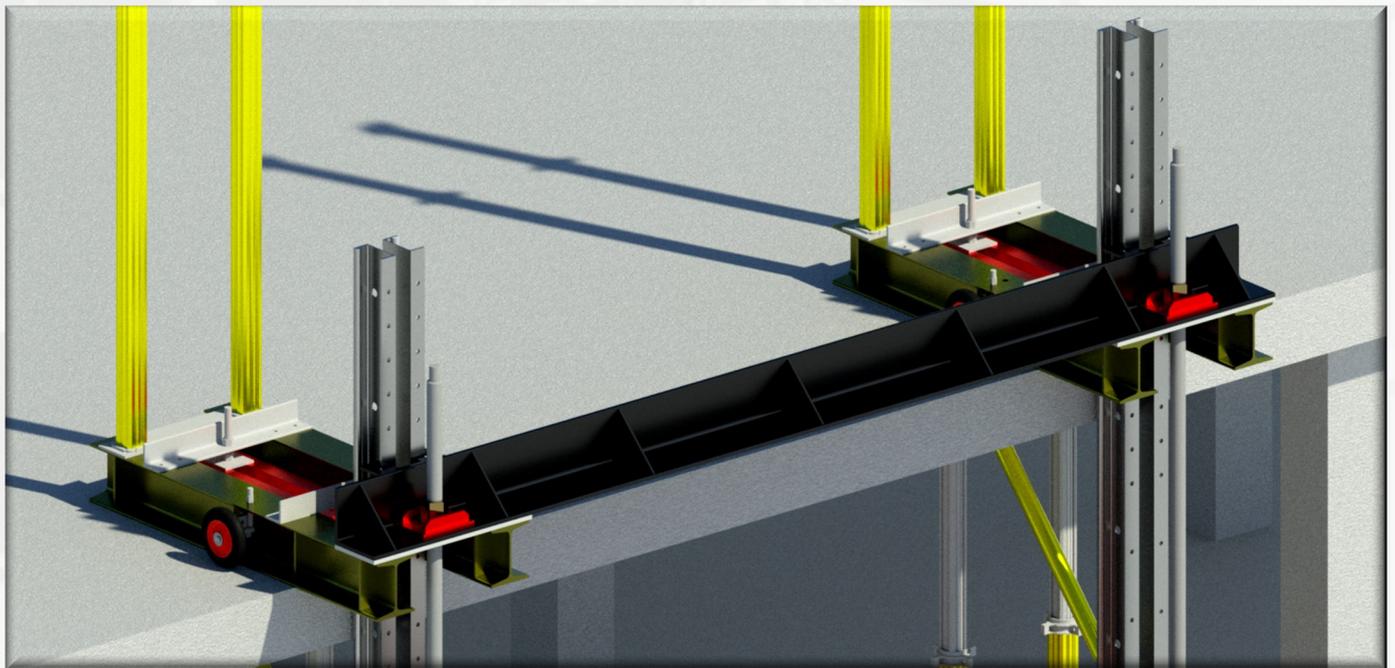
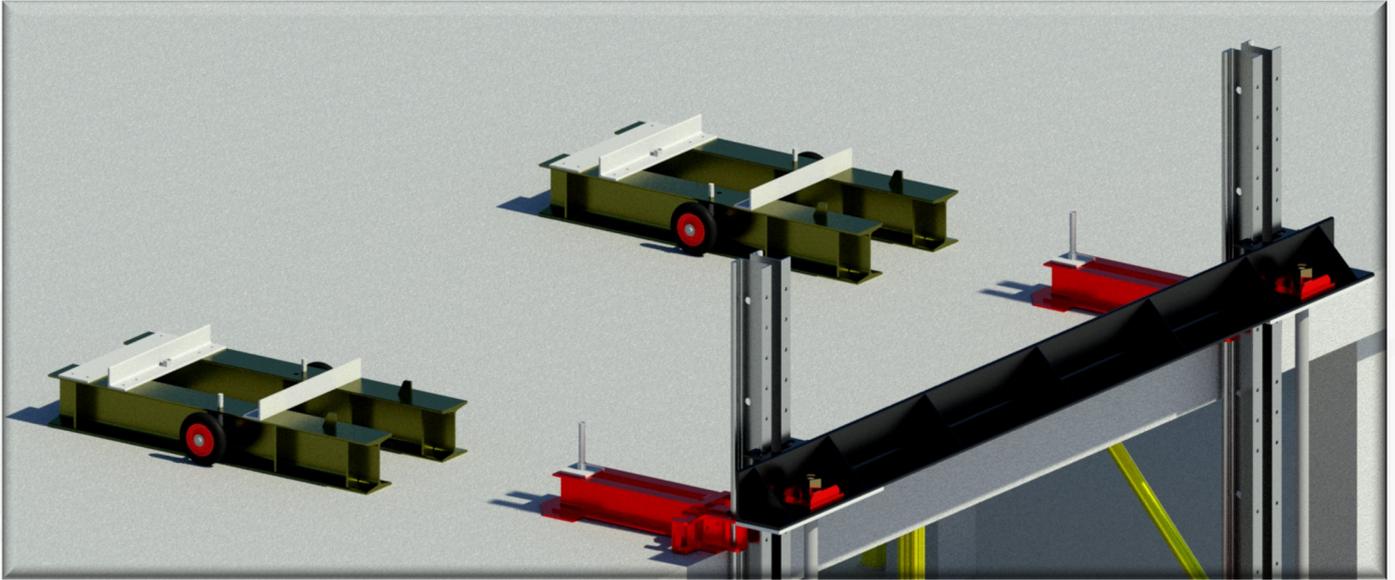
COMPONENTS



Hoist slab anchor needles

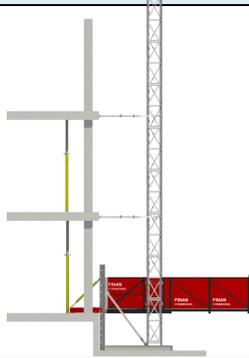
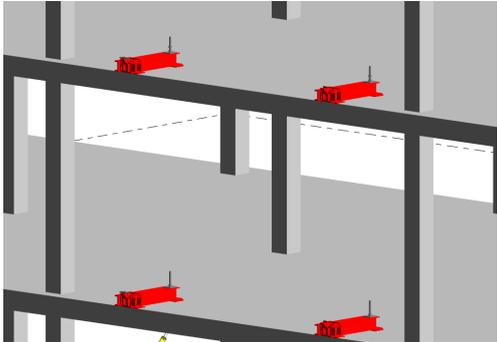
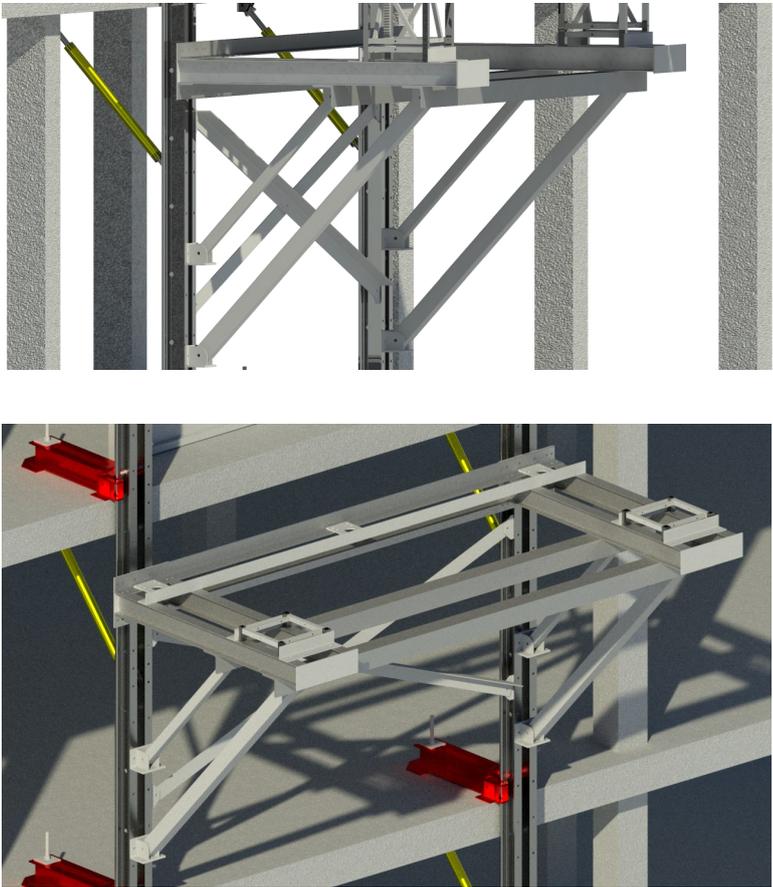


COMPONENTS



Hoist Mobile Trolleys for lifting anchorage

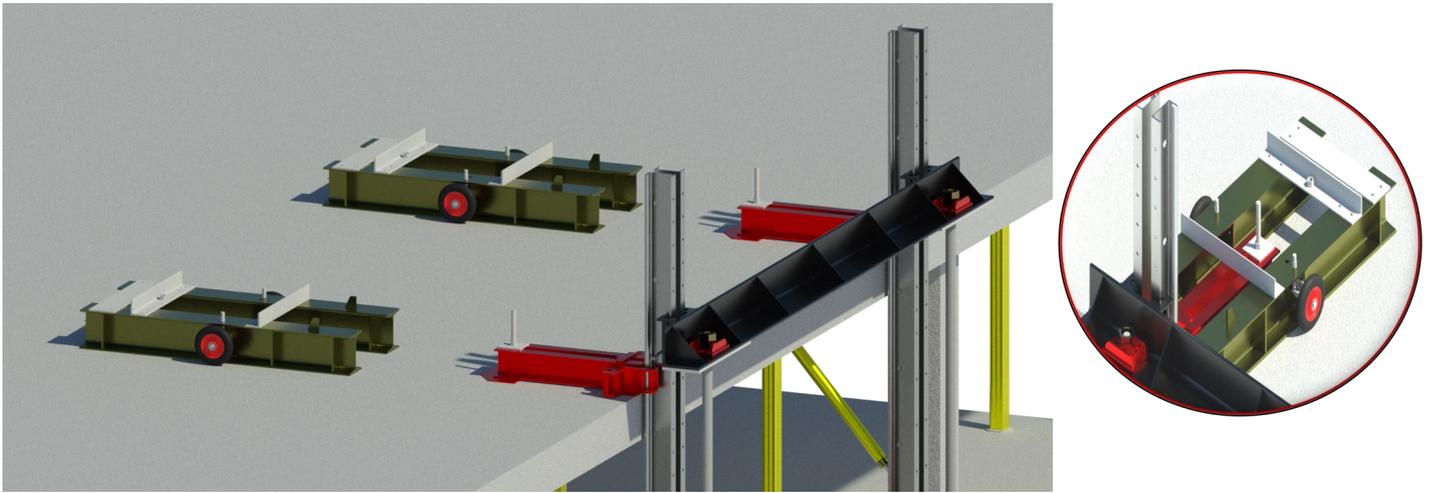
INSTALLATION STAGES

NO.	DESCRIPTION	IMAGE
1	Bases installation & setup	
2	Upper floor Anchor points & sleeves installed during the initial slab casting phase	
3	Upper floor support frame installed	

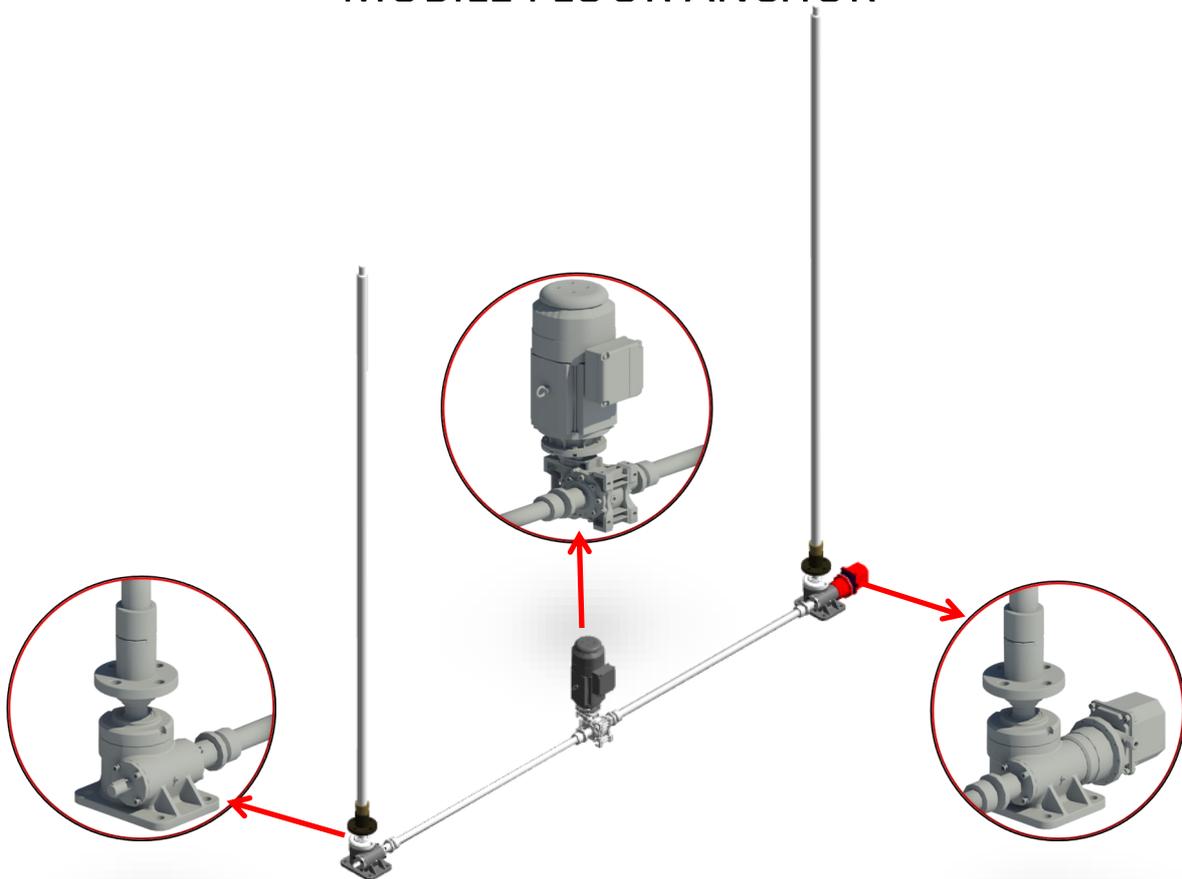


NO.	DESCRIPTION	IMAGE
4	<p>Hoist reposition from ground frame to suspended frame</p>	
5	<p>Install & commission the lifting mechanism</p>	

LATEST SYSTEM INNOVATION



MOBILE FLOOR ANCHOR



SINGLE STROKE LIFTING SYSTEM

With two 50KN C-Series Rotating Machine Screw jacks mechanically linked and operating as a pair via a 0.55kW geared motor.

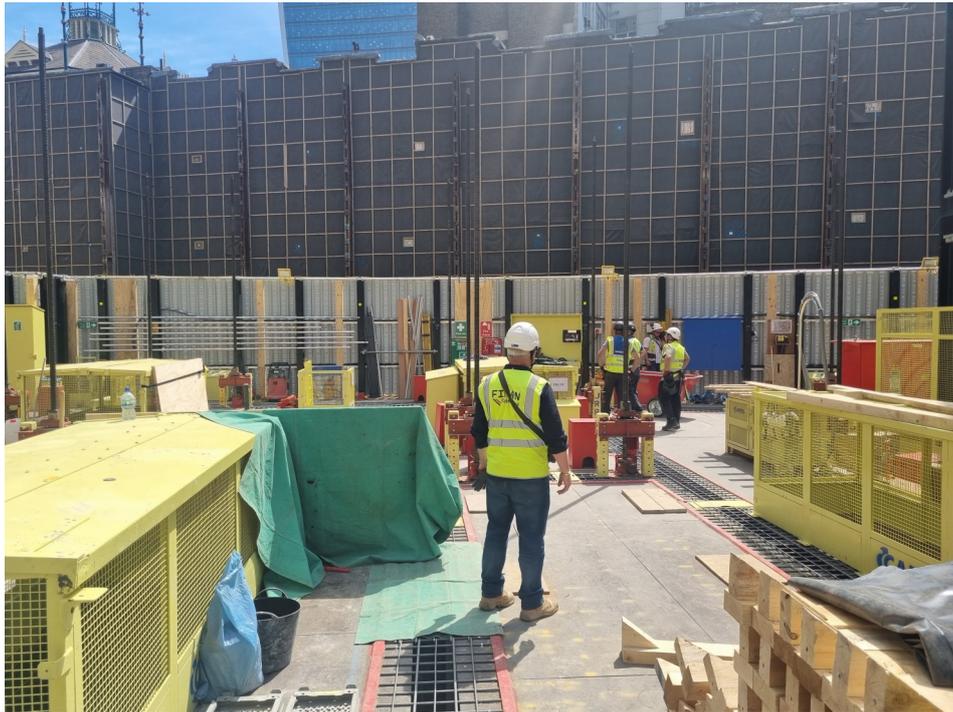


SAFETY IN ACTION

SAFETY IN ACTION:

Means working together sharing risk and responsibility. We provide our contribution, by having a complete understanding of what the team is trying to deliver and what our shared responsibilities are. With that in mind we provide the following:

- ◆ **PROJECT EVALUATION — FULL DESIGN BRIEF**
- ◆ **WORKING DRAWINGS & CALCULATIONS**
- ◆ **QUALITY MATERIALS DELIVERED**
- ◆ **METHOD STATEMENT SUPPORT**
- ◆ **SUPERVISION SUPPORT & TRAINING ONSITE**
- ◆ **INSPECTION & CERTIFICATION**



With over 25 years of critical project experience & temporary works solutions and more specifically self climbing solutions. We understand the complex challenges that our partners face & believe our people & our shared responsibility makes the difference



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