

TFL 2000 FORMWORK LIFTING HOIST

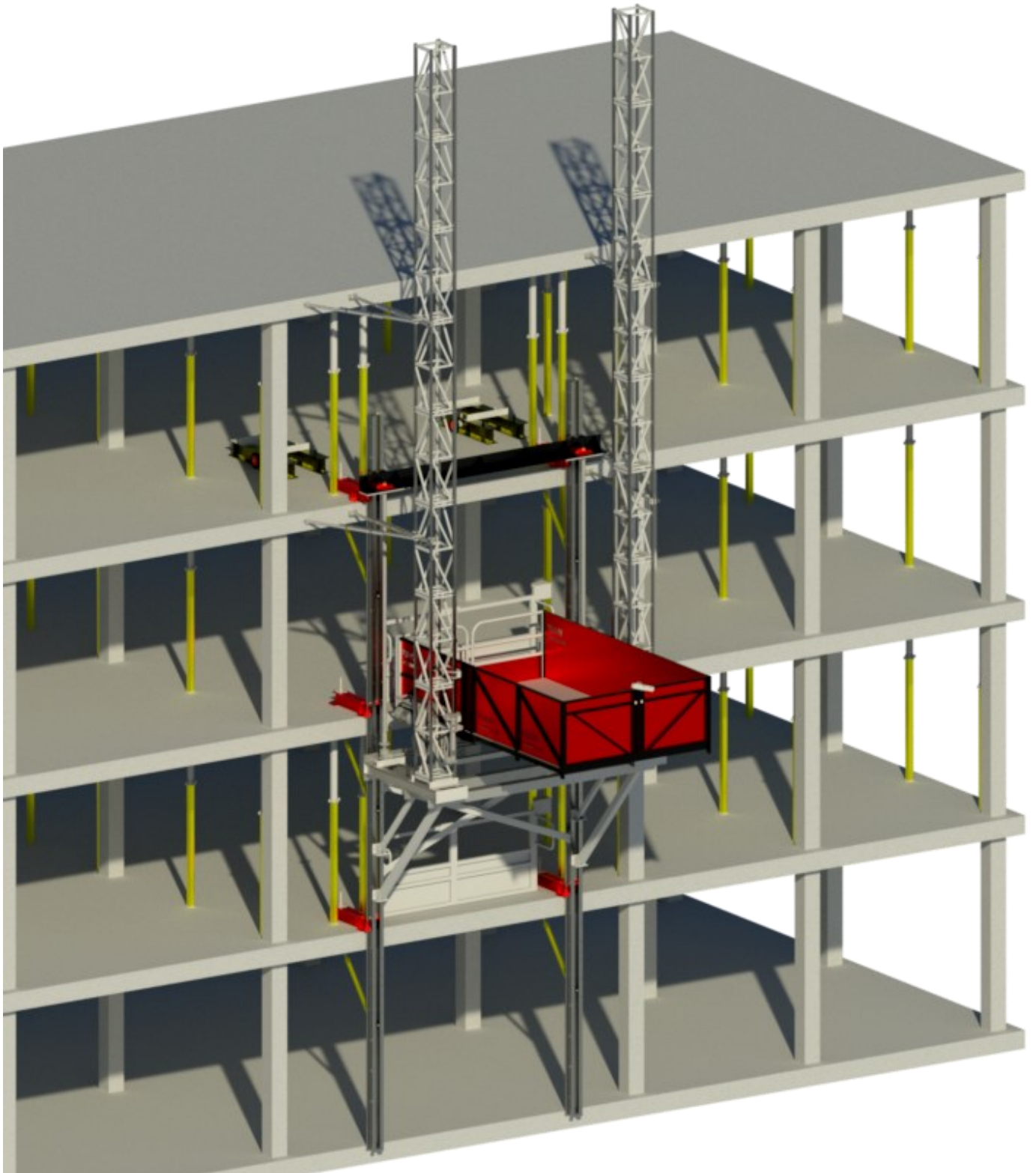
CAPABILITY **I**N **A**CTION

FORMING EXPECTATIONS



TFL 2000 FORMWORK LIFTING HOIST

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INTRODUCTION

INNOVATIVE TFL 2000 FORMWORK HOIST PLATFORM SYSTEM

Engineered for flexibility in attachment & efficient vertical formwork movements

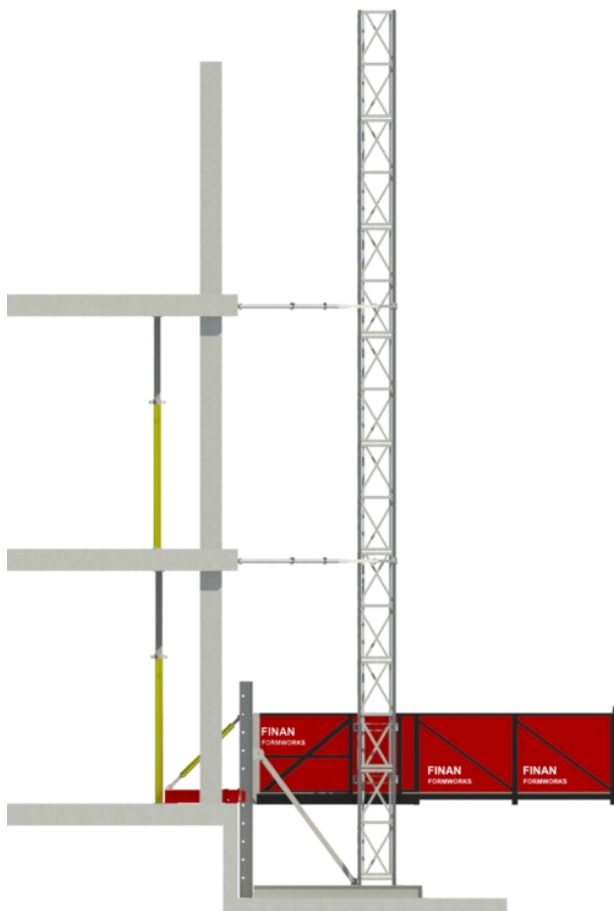
The TFL 2000 Formwork hoist serves as a valuable asset, when considering the vertical distribution & logistics for slab formwork systems during construction of your highrise concrete structures. Our number 1 consideration is the ability to increase the formed area production rates, simply by providing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

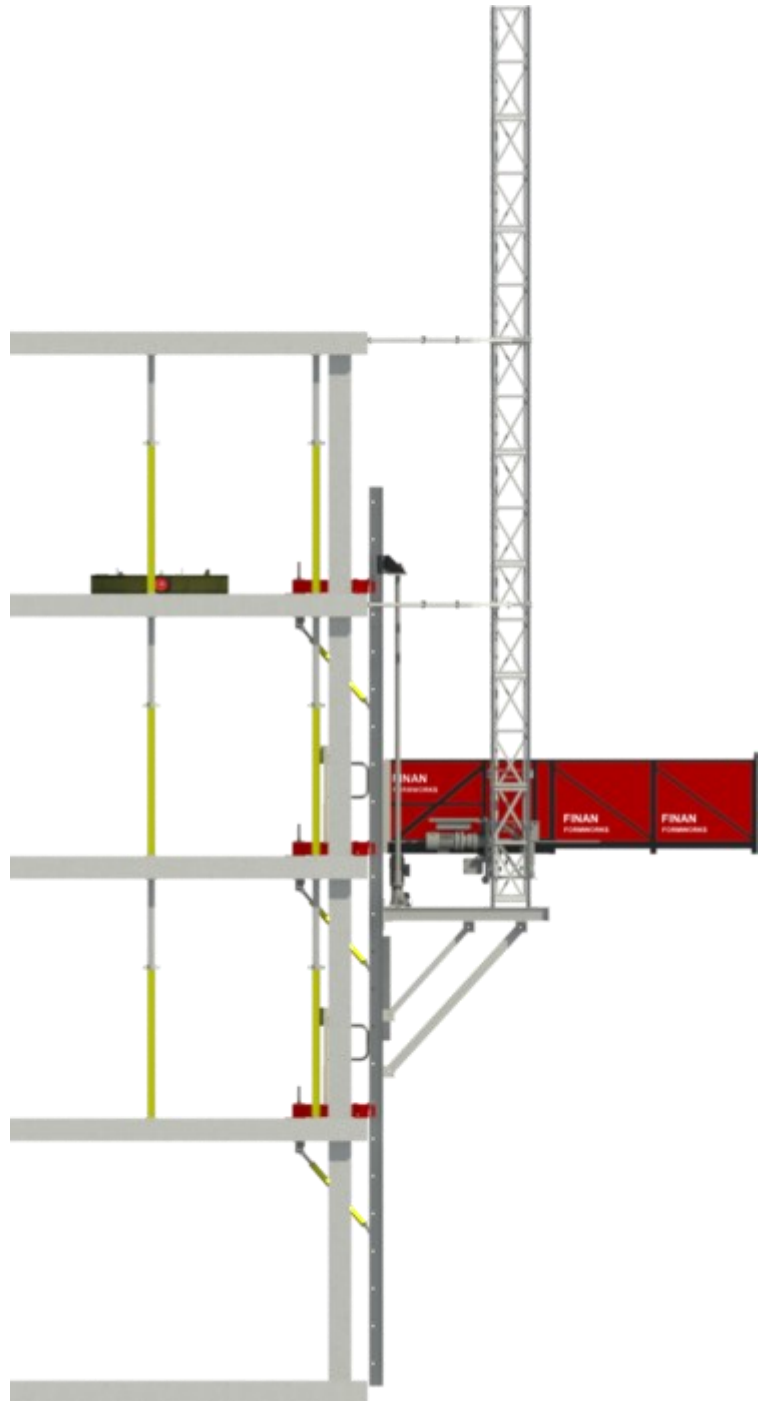
- ♦ Crane free formwork handling
- ♦ Increased efficiency for formwork strike & fix
- ♦ Flexible connectivity at lower & upper levels
- ♦ Increased load capacity of 2000 kg

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NTRODUCTION

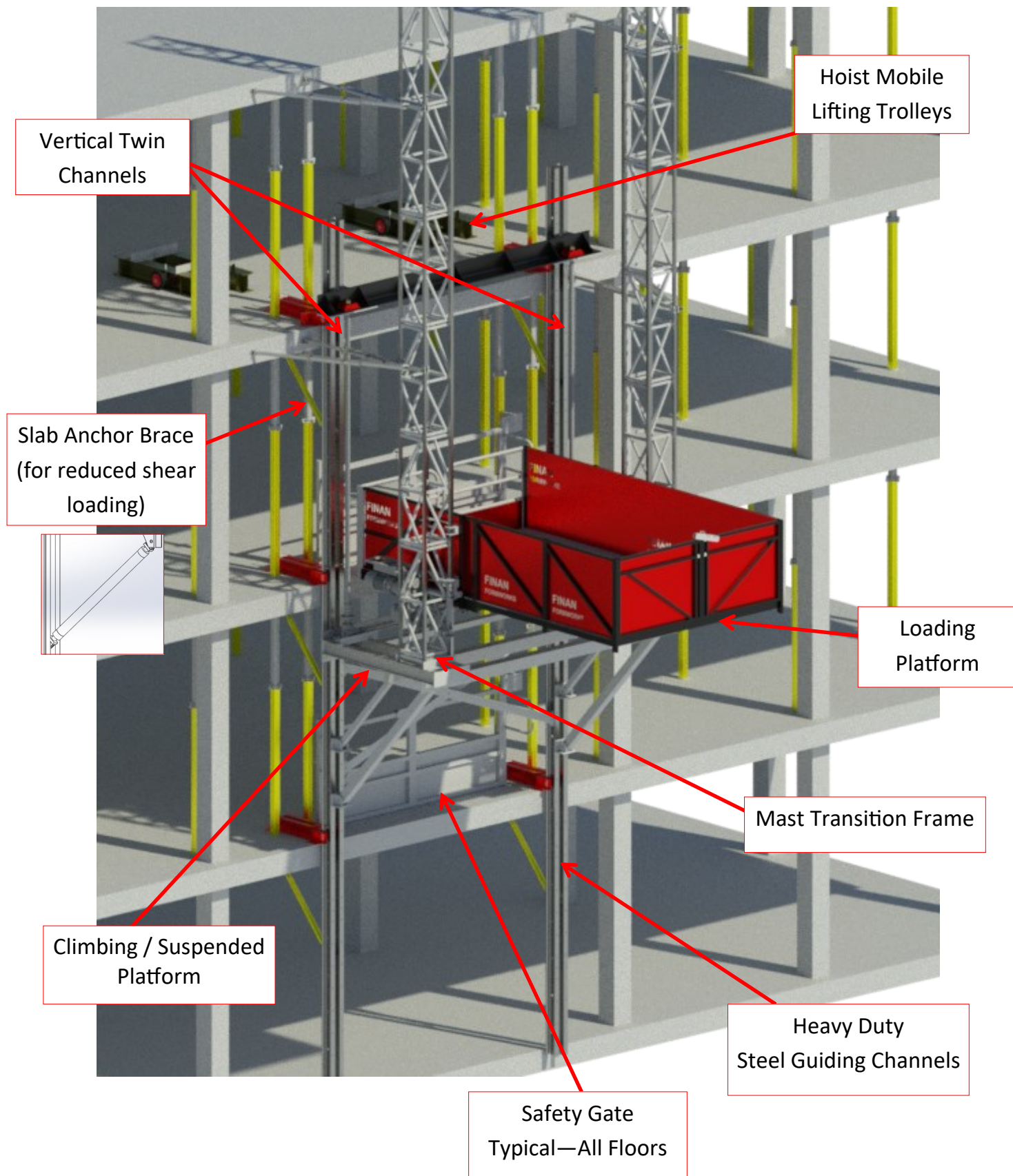


The TFL 2000 is designed and configured such that it can be based from the ground slab, allowing formwork movements to commence at the lowest possible level.

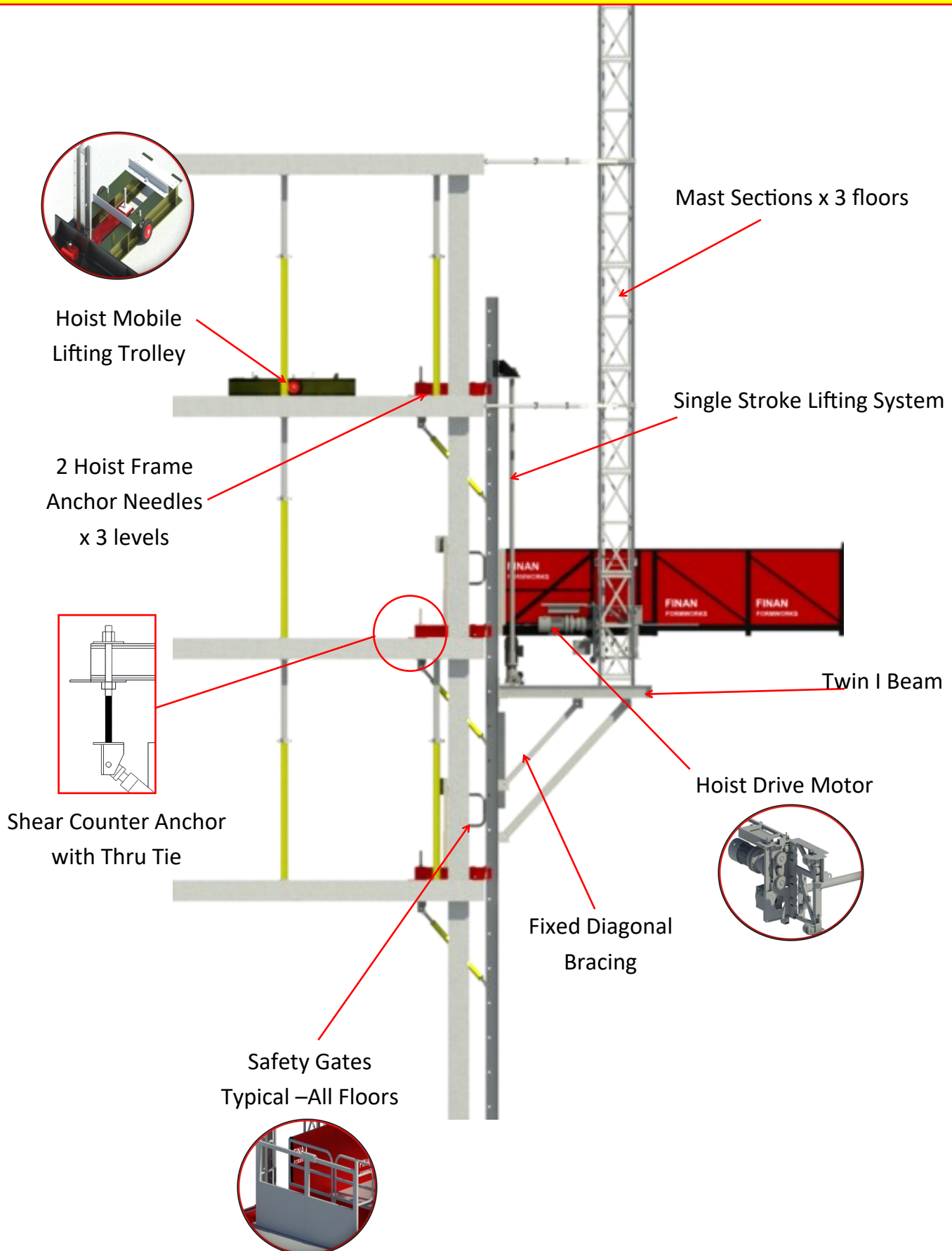


The TFL 2000 formwork hoist configured for easy attachment to the building at upper levels, providing access to multiple floors for efficient formwork movements.

FORMWORK LIFTING HOIST OVERVIEW



FORMWORK LIFTING HOIST OVERVIEW



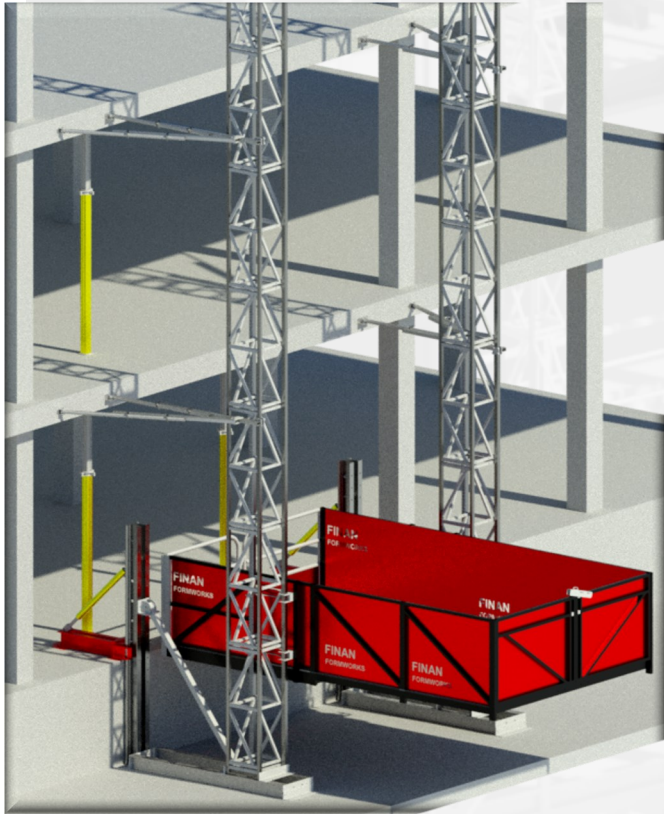
ADVANTAGES

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

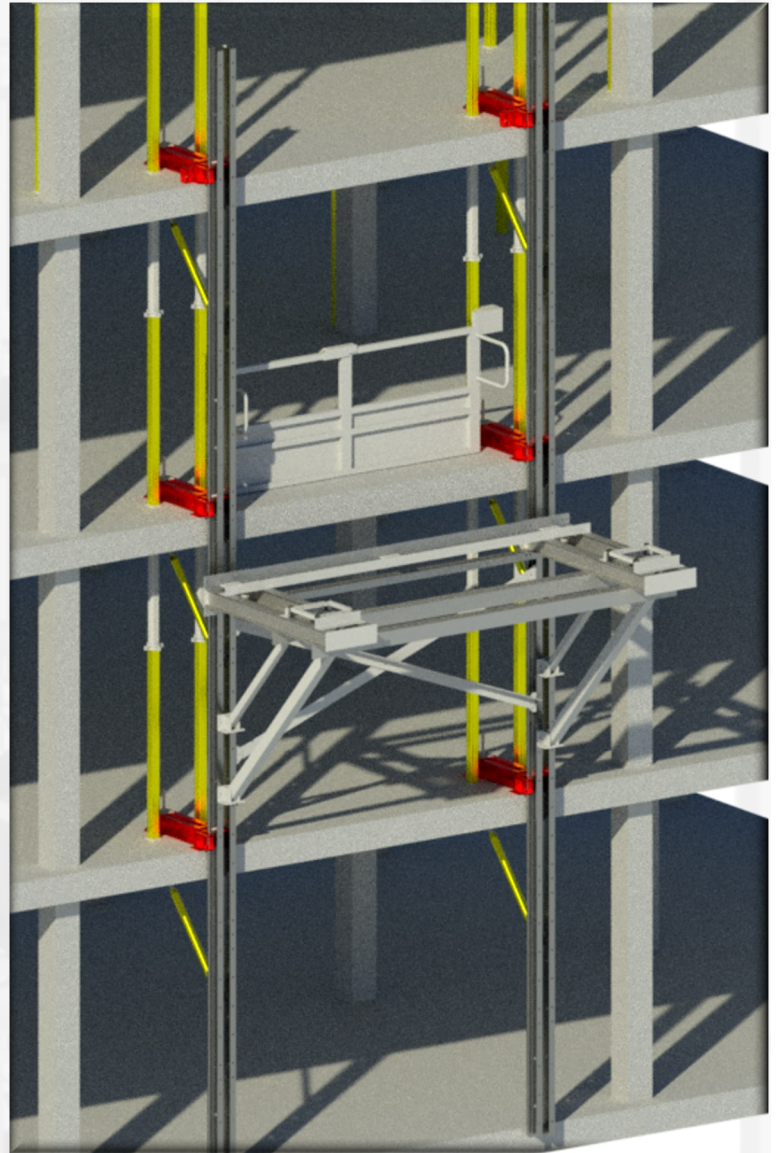
IMPORTANT REASONS TO DEPLOY THE SYSTEM

- 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**

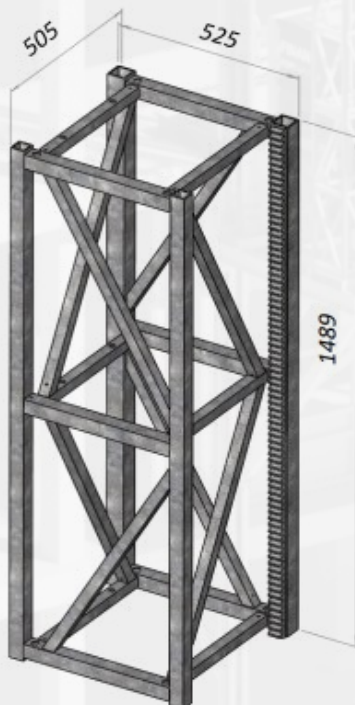


**Hoist suspended frame for upper
level support & self climb**

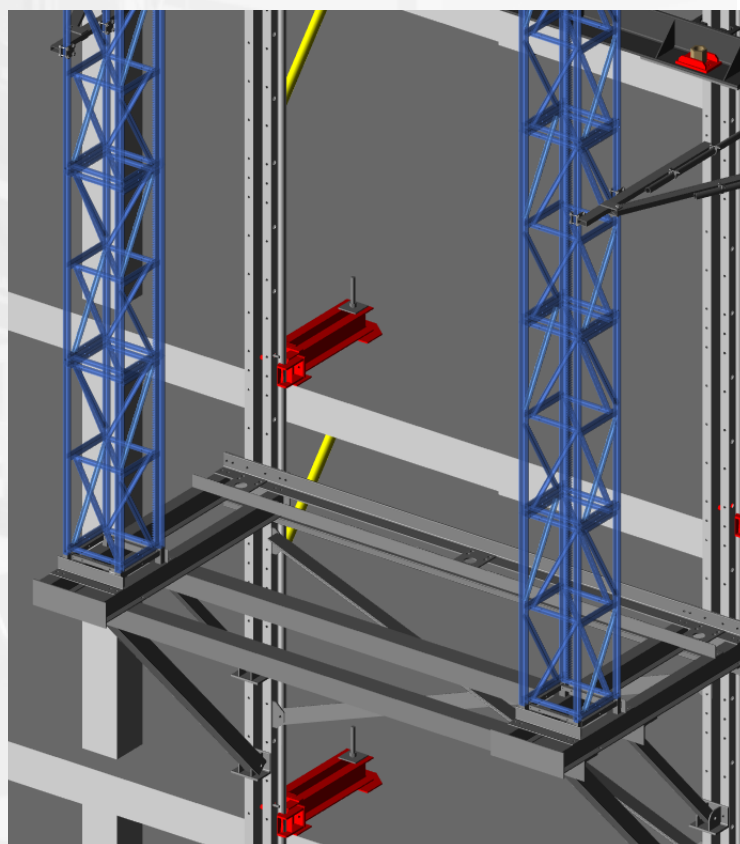
COMPONENTS



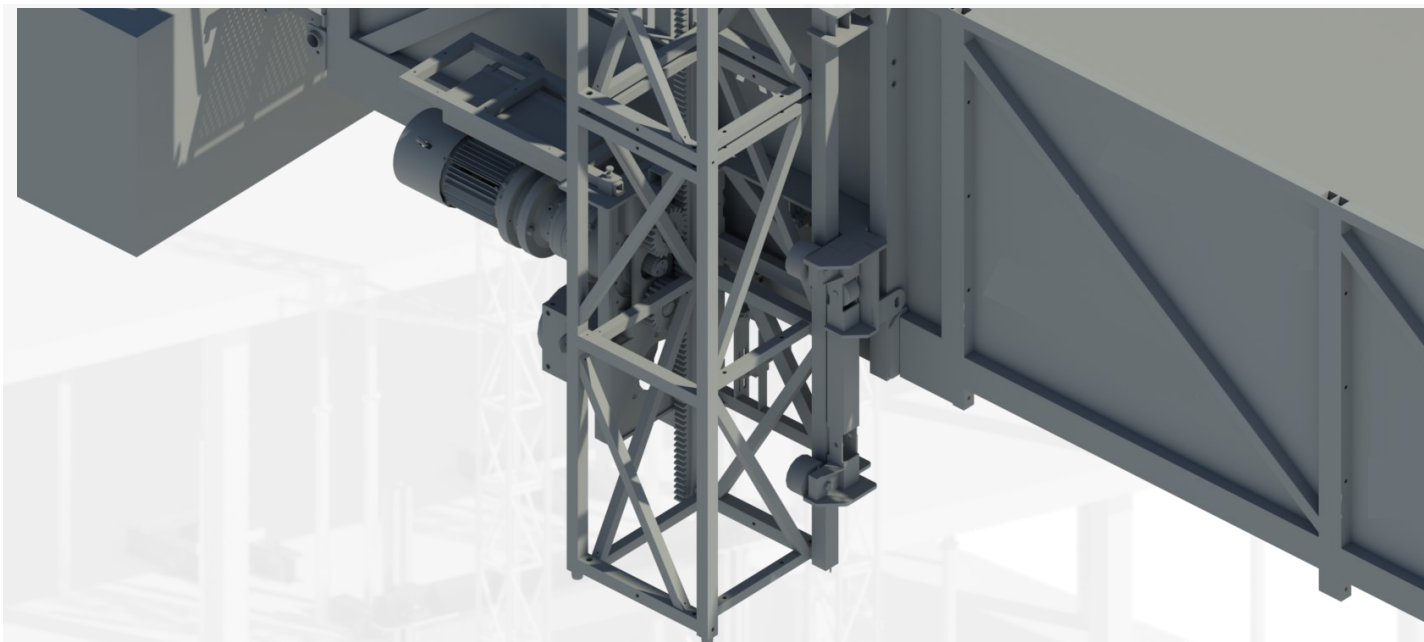
Hoist main loading platform



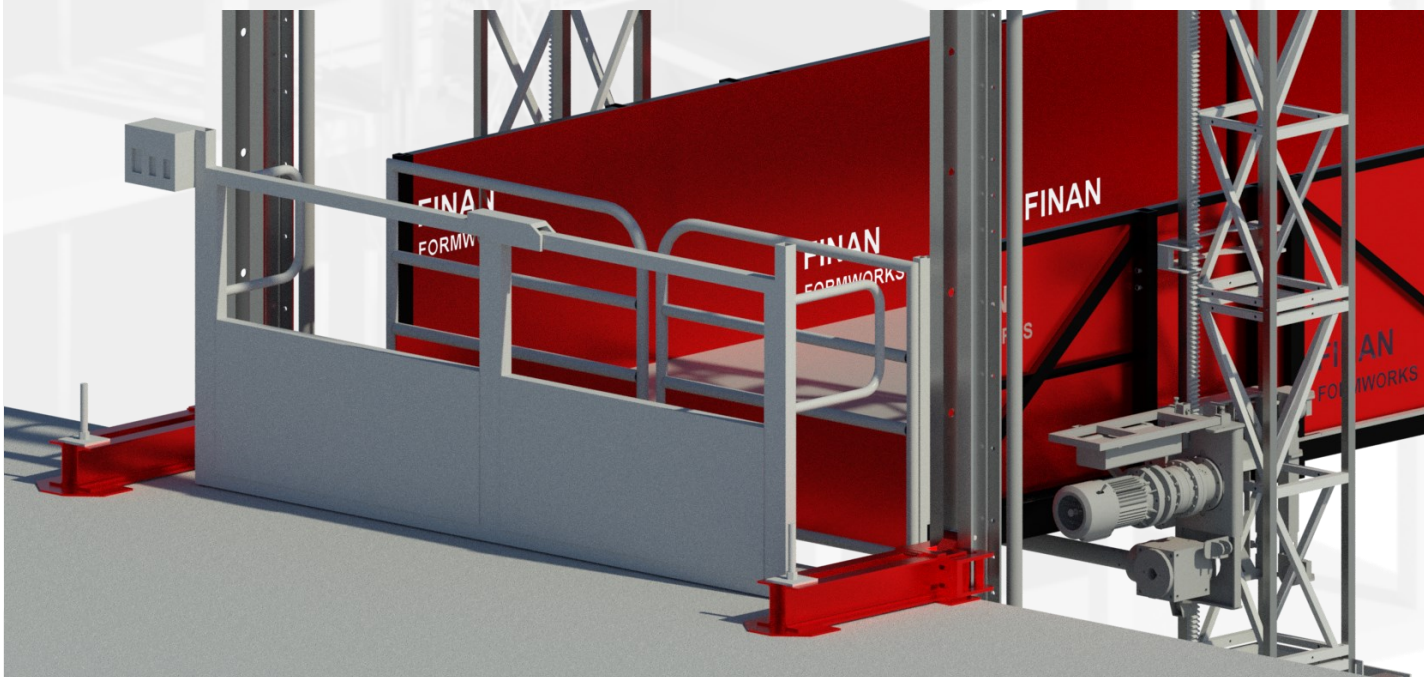
Hoist Mast Sections



C COMPONENTS

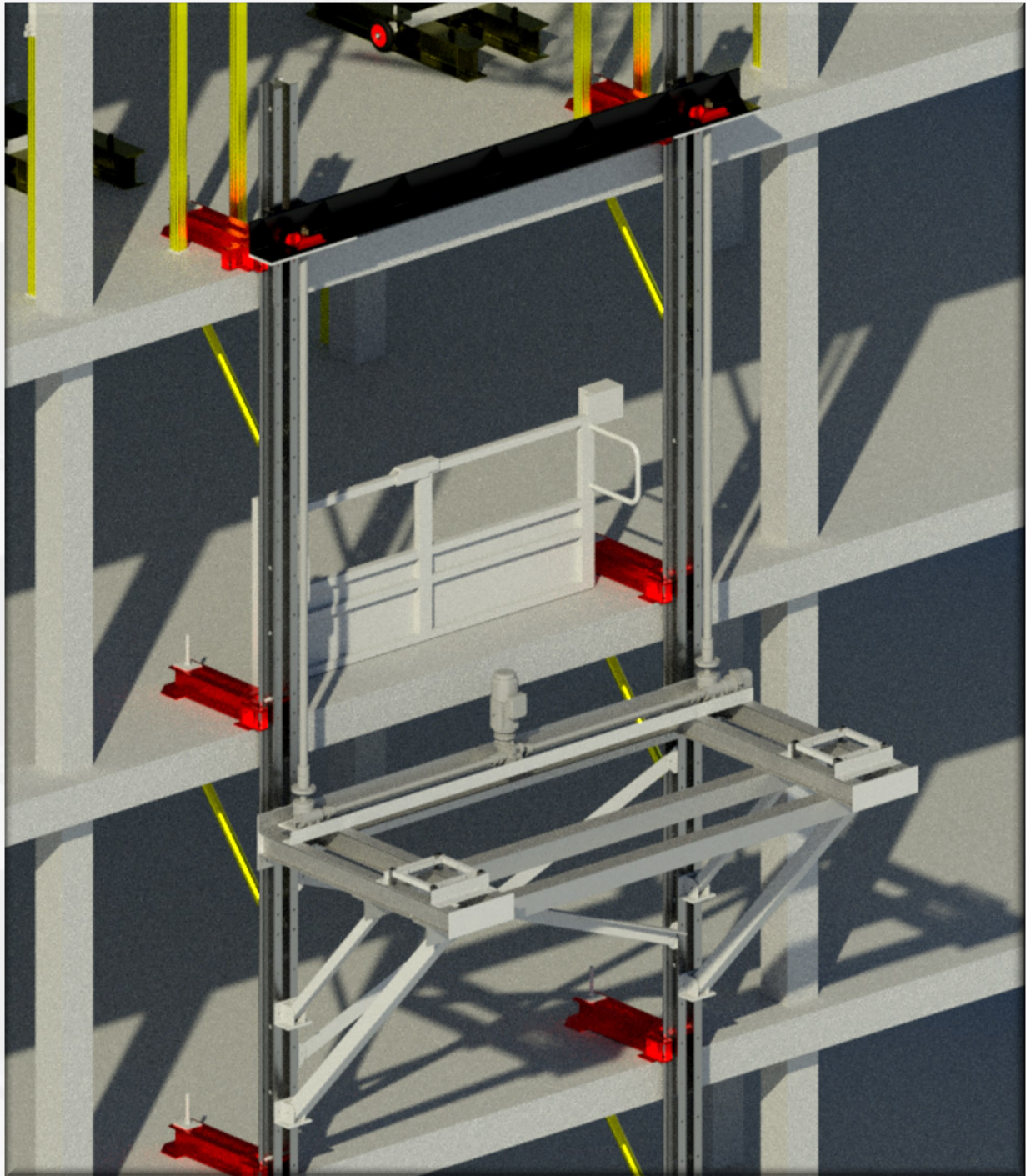


Hoist drive motors & braking system



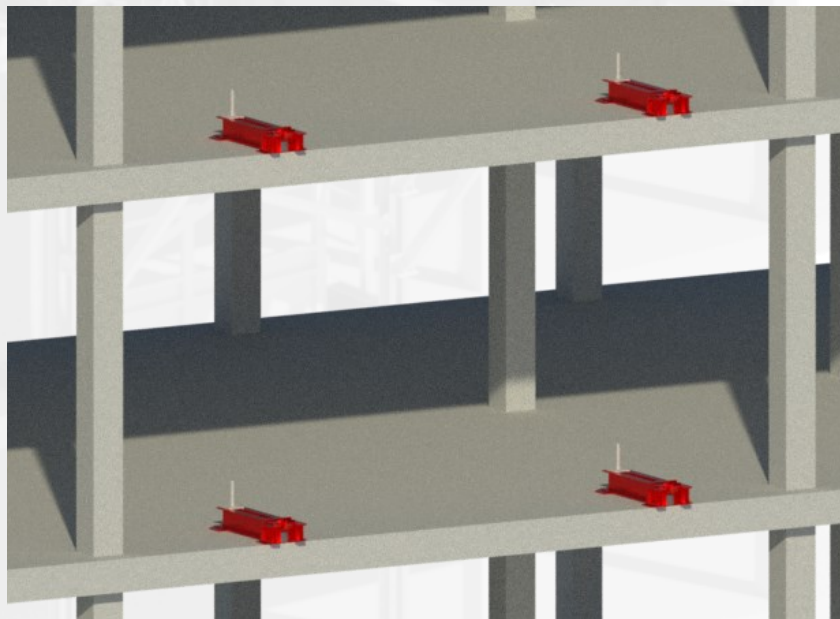
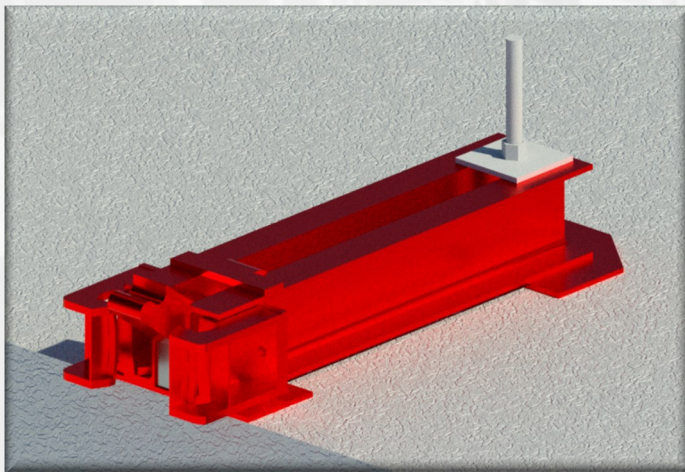
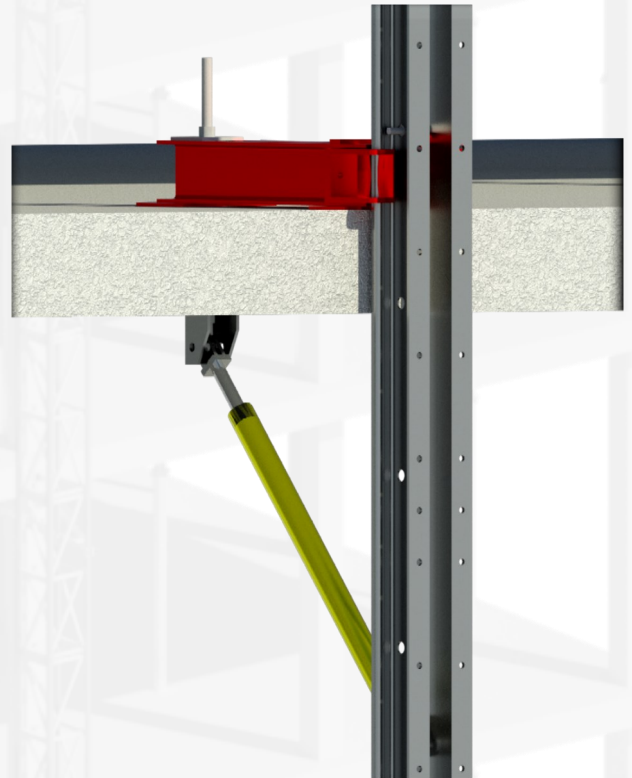
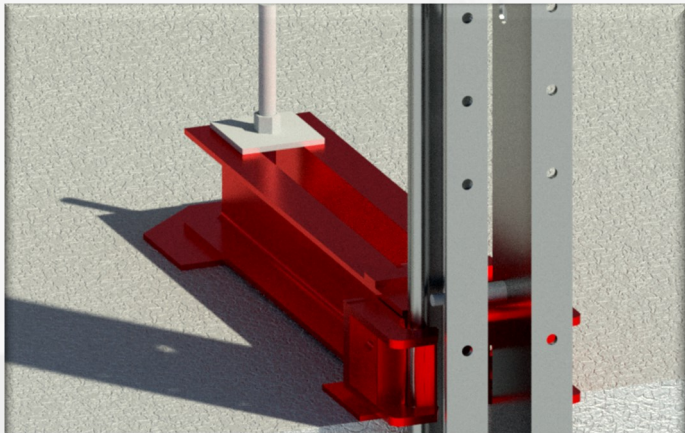
Hoist Safety Gates & Remote Control

COMPONENTS



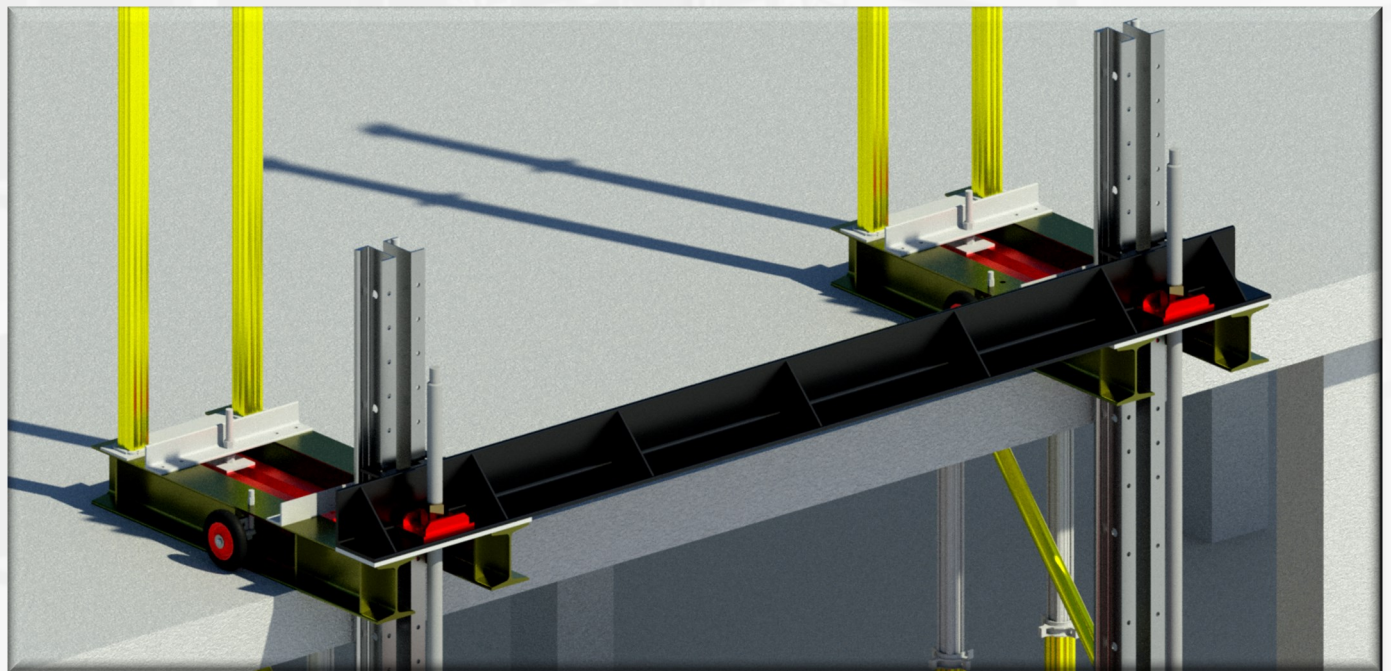
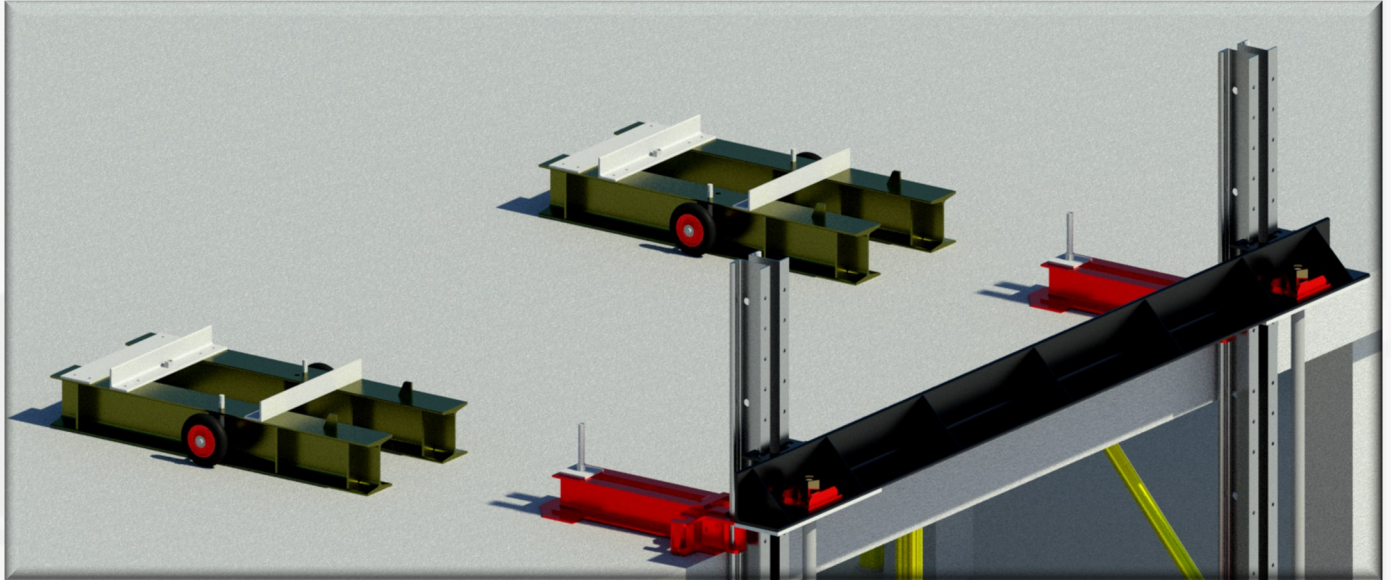
Hoist Self Climbing mechanism between floors

COMPONENTS



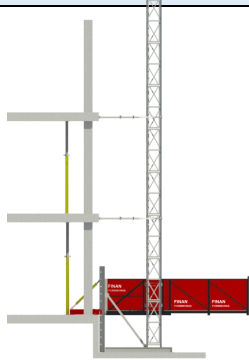
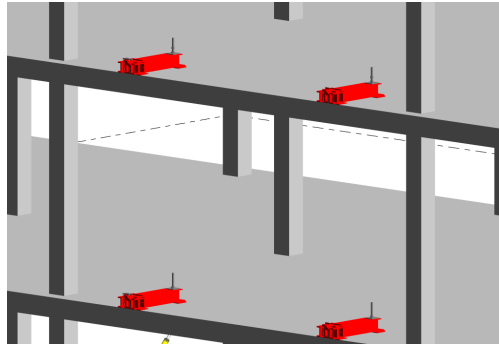
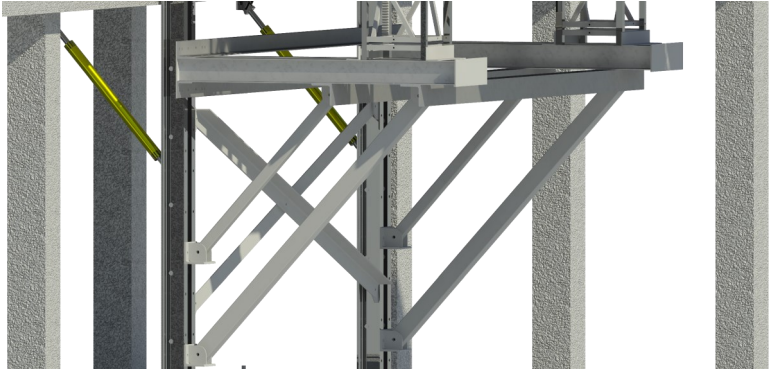
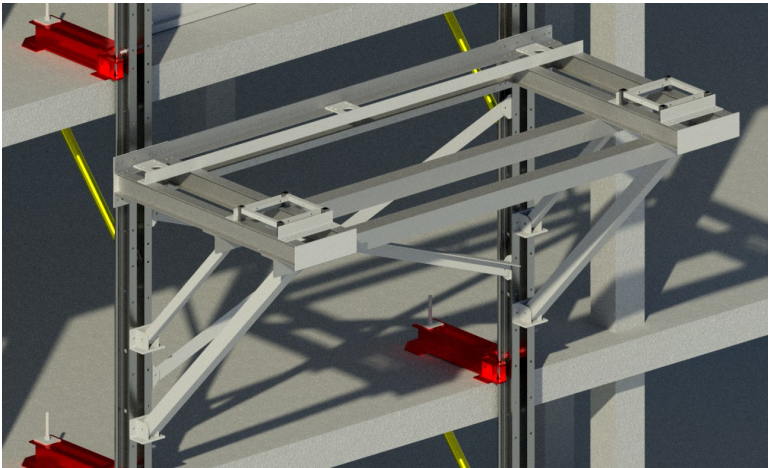
Hoist slab anchor needles

COMPONENTS

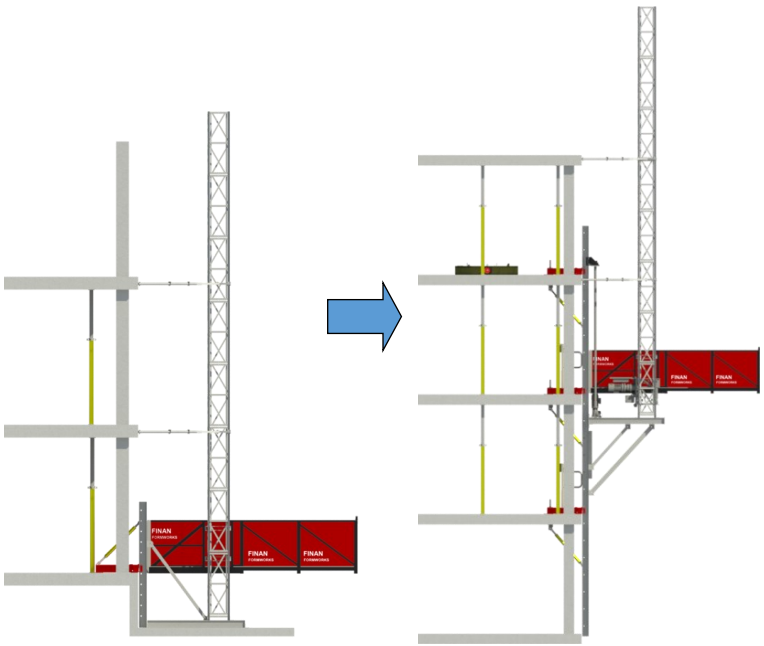
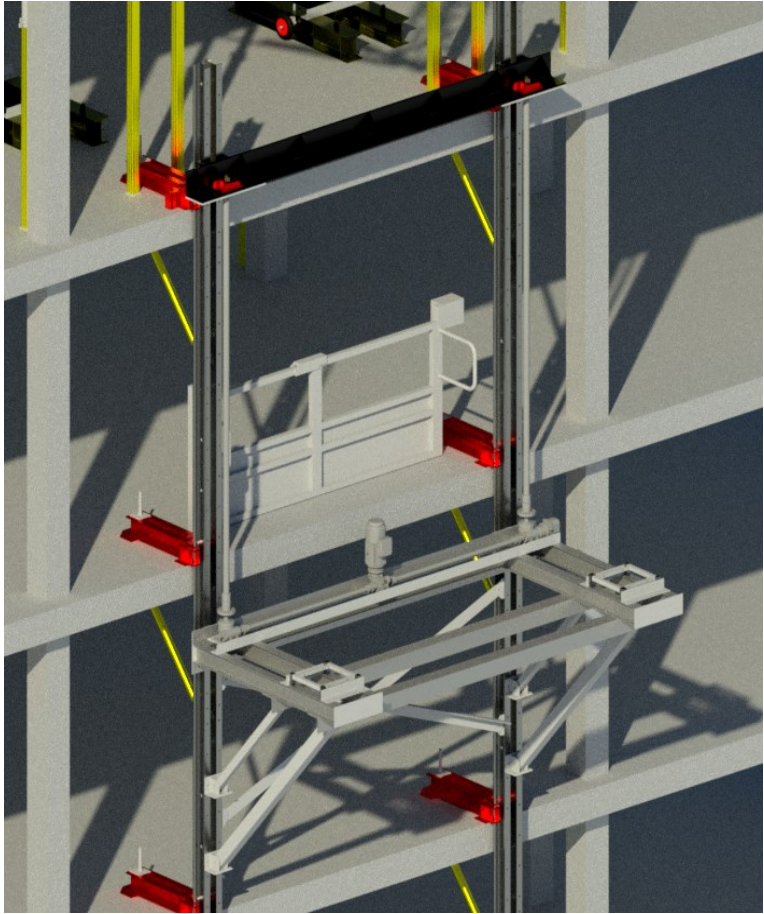


Hoist Mobile Trolleys for lifting anchorage

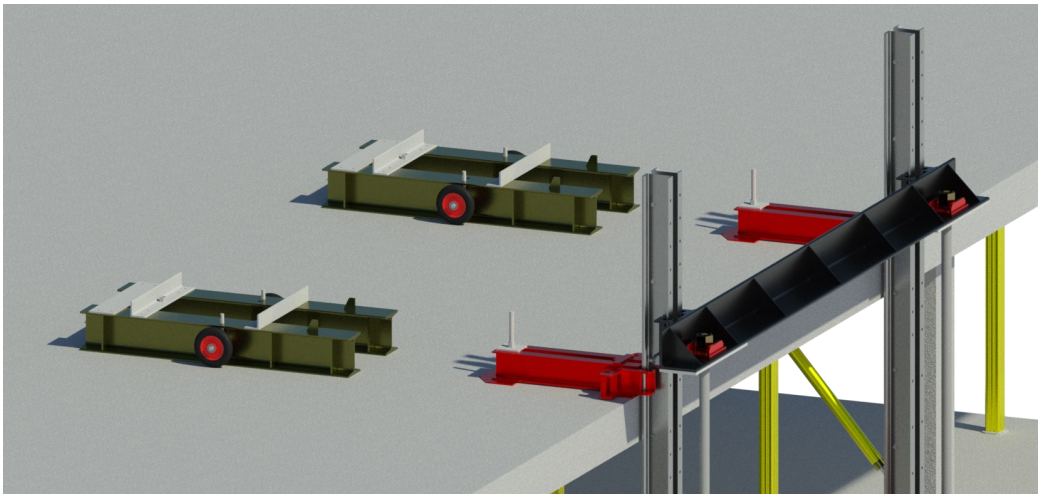
INSTALLATION STAGES

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	 

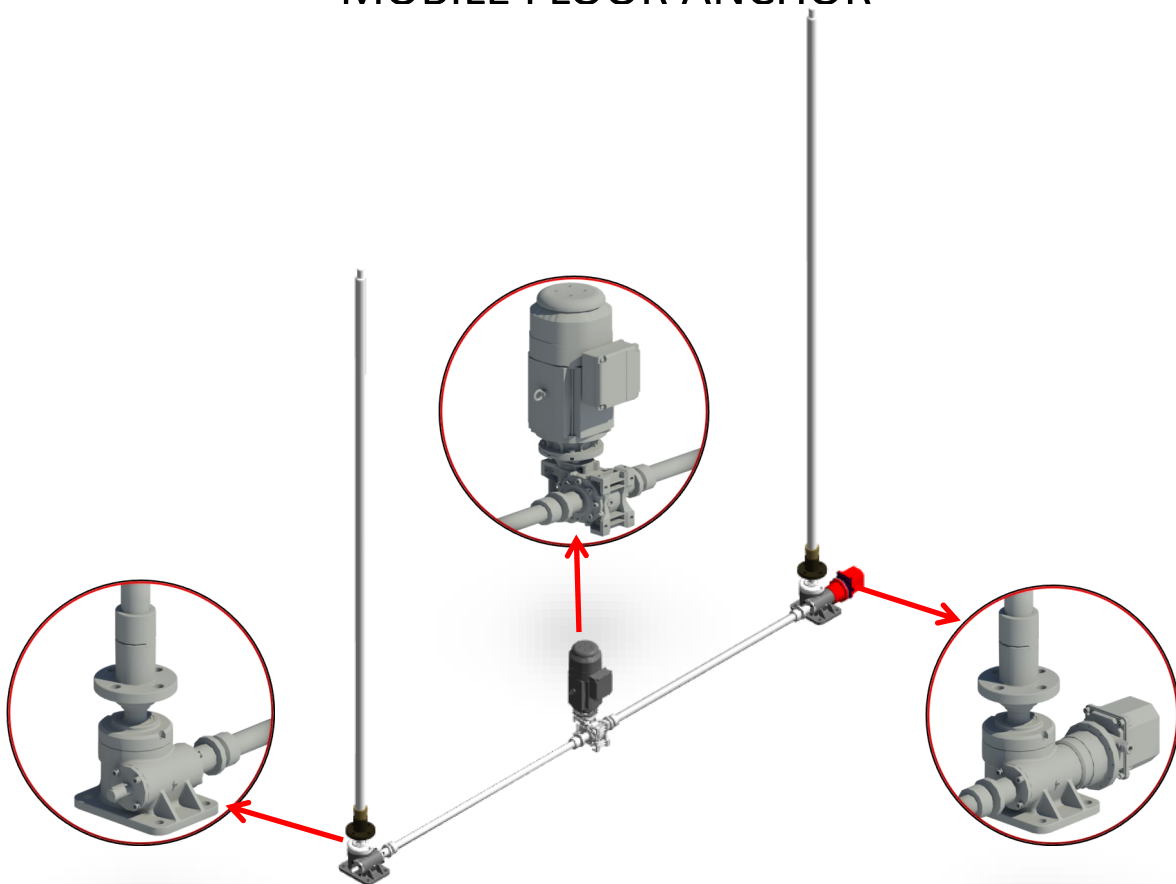


NO.	DESCRIPTION	IMAGE
4	<p>Hoist reposition from ground frame to suspended frame</p>	
5	<p>Install & commission the lifting mechanism</p>	

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



Office No 5,
113 A Gloucester Rd North,
Filton,
Bristol,
BS34 7PT

Tel: 0117 2395332
WEB: www.finanformworks.com
Email: info@finanformworks.com
Email: sales@finanformworks.com



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