

PRESENTATION OF NEW CONSTRUCTION WITHOUT CRANE TECHNOLOGY.

Construction Without Crane - the imperative of the time, the requirement of the business!

Today, high buildings (skyscrapers) and structures are built by lifting materials to the floor under construction with tower cranes and the construction of the floor itself. The construction scheme of all existing, new and not so technologies, is the same - the scheme of traditional technology. It cannot significantly change the parameters of the construction of buildings (skyscrapers) ...

We have seen this for many, many years.

I propose to master the new Construction Without Crane technology, radically change the existing construction scheme, build buildings (skyscrapers) ... raising the building under construction to a floor height and adding a new floor "below" ...

We will get a permanent work site that will allow robotizing the production of basic work to build all the floors of a building (skyscraper) ... without lifting materials, like cars on an assembly line, building twice or more quickly, we will get other very significant advantages.

Construction method "Construction Without Crane"!

For the construction of buildings (skyscrapers) ... using the Construction Without Crane method, the main thing is to solve three main questions ...

1. This method builds buildings by lifting the building under construction and adding new floors of the building "from below" To raise the building under construction (skyscraper) ... to the height of the floor we use commercially available synchronous lifting systems. For example, 120 hydraulic jacks can be connected to the system. But the jack can be made with a lifting capacity of 1000t ... 2000t or 5000t, or And then we will be able to simultaneously lift a building weighing accordingly - ... 120,000t ... 240,000t ... 600,000t .. The rise is shown in 3D video .. where , sand jacks were used to reduce the cost of equipment.

I think this technology will be much more practical if the synchronous lifting of the building under construction is carried out by winches. Existing winches are bulky ... weight exceeds 15%. Their carrying capacity ... I have developed a concept of a winch that will weigh no more than 0.5% -1% of the carrying capacity and I believe that such winches are more successful for the construction of buildings (skyscrapers) and can be used no less successfully for dismantling multi-storey buildings (skyscrapers). .. "from below", similar to the dismantling of the iron concrete chimney in this video ... <https://lnkd.in/eXm-X3i> ...

The above (about winches) in the future, the prospects for the development of new technology ...

2. All the time of construction, it is necessary to maintain the building under construction in a stable condition.

Horizontal loads on a building under construction are perceived by vertical posts-profiles, located along the walls, connected to the foundation. In our case, the building under construction rises from the "scabbard" that form these posts-profiles and the formwork of the walls of the building under construction.

3. And the third question, the question of "fresh concrete". We fill in ... "always the first floor" and raise the building under construction Will the fresh concrete be damaged in this case ..?

Concrete hardens under special conditions ... under the conditions of a "self-supporting" structure, for each floor, up to a full set of design characteristics, due to the vertical bearing pillars, which perceive the vertical loads of the building under construction ...

The cost of the equipment (its depreciation) is scanty in comparison with the advantages of such a construction.

Benefits of the ConstructionWithoutCrane construction method!

1. ConstructionWithoutCrane is, first of all, a colossal commercial project!

For business, any project without proper commercial potential is like a wedding night without a bride!

ConstructionWithoutCrane - builds buildings (skyscrapers) ... twice or more faster ...

Then we will win all tenders for the construction of skyscrapers, more than 120 of them are built in the world every year.

The company's turnover will be \$ 120 billion very soon

The turnover will grow by an order of magnitude if housing is built using this technology around the world.

Colossal commercial project!

2. ConstructionWithoutCrane - builds buildings (skyscrapers) ... twice or more faster ...

Existing technologies build the floors of the building - each subsequent floor is longer than the previous one.

Let this excess be 3% (Supply of materials by tower cranes to the building floor E1-7 for meteorological or technological breaks in construction, etc.), then a building with a height of 40 floors using new technology will be built twice or more faster.

Only "ConstructionWithoutCrane" builds any floor of a building (skyscraper) in the same time, the construction time of the first floor!

3. ConstructionWithoutCrane-robotization, automation of building construction (skyscrapers) ...

ConstructionWithoutCrane always builds a "ground floor" when constructing a building (skyscraper) ... builds "on the ground" with a permanent job site. Then, finally, you can robotize, automate the main work ... and build the floors of a building (skyscraper) ... like cars on an assembly line.

4. ConstructionWithoutCrane - continuous construction process!

ConstructionWithoutCrane-builds regardless of weather conditions, technological or any other interruptions. Even fresh concrete does not interfere with the continuous construction of buildings (skyscrapers).

Each floor of the building, at the time of hardening, concrete is a self-supporting structure. Vertical loads are perceived only by the posts - supports, only through the posts are the supports transmitted to the foundation ... Concrete hardens under special conditions to a set of design characteristics.

5. ConstructionWithoutCrane - decarbonization of building construction (skyscrapers) ... Because with this technology, the lifting of a building under construction is carried out by hydraulic jacks, the efficiency of which is much higher than the technique of current technologies, where the lifting of construction materials is carried out by tower cranes and concrete pumps.

6. ConstructionWithoutCrane - high quality and safest construction of buildings (skyscrapers) ...

Because he always builds the "first floor", builds "on the ground", without high-rise work, when he builds a building (skyscraper) ...

At the first stage of our project, the question of "trial work" arises. We must prove the viability of a new construction technology with a specific example ...

Further, I think, bearing in mind the commercial potential of the project, we will be able to invite any company as a partner, if we want, we will have any resources at our disposal to promote the project at the proper level ...

Trial work.

We must have a project for the construction of a building (with a building permit, a specific construction site), I think, at least 40-60 floors, with a floor area of 500 m²-1000 m² (synchronous lifting system, for now, is limited by the number of jacks ...) ...

We must have a team of competent engineers who, with all the necessary calculations, will justify the use of all materials and structures that we intend to use in the construction of this building, will justify the work procedure ...

The construction of the building, I suppose, should be carried out without robots by sufficiently qualified workers and engineering personnel for the time being. You can hire a general contractor for construction, being confident in his competence ...

In addition, to reduce the cost of work (and not only ..), according to the technology, it is proposed to use sand jacks to lift and hold the building under construction at the required height ...

Sand jacks are not used in large quantities in modern construction ... and they are not commercially available. A separate issue is the issue of making sand jacks and ensuring their use ... for the construction of a building.

Of course, in the process of discussion and practical solution of the issues of "trial work" ... some problems that are not known to us now will "emerge" They need to be solved ... this is how our core team, its leaders, will be formed.

Dear colleagues !

I, Igidali Ashurbeyov, the author of the new ConstructionWithoutCrane technology, I am alone in the project of the same name, would like to become part of the ambitious team of a construction company in order to monopolize a new way of building buildings (skyscrapers) and high-rise structures. This technology has great advantages over existing technologies.

ConstructionWithoutCrane is a colossal commercial project!

I am 65 years old, I am a civil engineer. Now I am a pensioner, I live in Russia, in Rostov-on-Don.

I lead an active lifestyle, I consider myself a decent person ... I really want to "have time" to do something significant in this life ...

I do not speak English, but I am ready to talk with you about the concept of a new technology (project) ConstructionWithoutCrane via WhatsApp , Zoom video link together with my translator.

Igidali Ashurbegov.