

Delta Electronics was founded 1994.

We are specialized in engineering of automation and instrumentation in process industry, mining, civil engineering, food industry... Specialty we are specialized for the designing and manufacture of electro – hydraulic systems, electro – pneumatic systems, measuring facilities and systems.

We also can develop, produce, and implement electro hydraulic systems for lifting heavy loads in Building Construction Industry, Oil Industry, Bridge Construction and for your specific needs.

Build Industry

We use this system GORILLA NSL 200T for lifting concrete slabs, produced on the ground, and placing all of them on projected levels. All concrete slabs are produced on the ground and lifted together in package (till ten concrete slabs in package). When lower concrete slab reaches its projected level, rest that slab on lifting column and continue lifting other slabs on their projected levels. Practically there is no limit in load weight (we can use more lifting points) and floors to build (we can move GORILLA equipment up and down and lift as many slabs as you need to lift).

You need only a few minutes to watch short animation on our web site to understand how this revolutionary concept works - www.deltael.com/download/howitworks.pps

All processes are highly automated and developed for users friendly operate. You can use this equipment very easy more than once.

Benefits of using this concept

- There are no limits in floor numbers!
- You can build big concrete slabs with more lifting points!
- Extremely fast automatic lifting process - ten floors per day!
- A few workers will do the whole operation with lifting concrete slabs!
- All concrete slabs are produced on the ground level – even that slab for 35.floor!
- You can use GORILLA equipment many times!
- No more work on high, crane is free for other jobs, no more casings, stands!
- Save more than 20% in concrete construction!
- You can lift floors with walls, installations...

We used this concrete build conception on Siberia Russia for business center construction.





Oil Industry

We developed, produced and implemented Jack Up system for lifting and lowering oil platform (weight 2000 tons) for Zammit Group Company from Malta.

We developed and implemented electro - hydraulic system for lifting oil platform up and down. System consists of 16 cylinders, 4 hydraulic power packs and total programmable logic controllers process control. Process is fully automatized and monitored on two touch screens. Oil platform weight is 2000 tons and speed of lifting / lowering is about 5 meters per hour.

How it works !

Using that system is very simple by choosing would you like to lift or lower platform and press button START and monitor process. Developed software is user friendly and diagnostic is simple and easy to use. Locking, unlocking, lifting, lowering is automatized.



Automation

Delta Electronics has developed for Macedonian firms Veda sets of automatic machines for the production management of composite materials. These machines are finally installed and put into operation in South Korea. This system consists of a machine for pressing (tween rollers) raw materials, which is controlled heated to produce thin films. Next set of machines are called homogenizers producing the final product. These machines are highly automated and every console is equipped with a touch screen for comfortable operation operator. Also, each machine has SCADA software specially developed for the monitoring of machines.



Visit link to see photo gallery from South Korea - http://www.deltael.com/composite_materials.php

Bridge Construction

The incremental launching bridge construction method may offer advantages over conventional construction. This method involves assembly of the bridge superstructure on one side of an obstacle to be crossed, and then movement of the superstructure longitudinally into its final position. Despite potential advantages for certain situations, the use of this method for bridge construction has been very limited worldwide.



To clarify the incremental launching procedure (bridge construction method)

Download animation www.deltael.com/download/Bridge_Construction_Method.mp4 or

Watch video on You Tube www.youtube.com/watch?v=S3Kf9e6JgF4

On Your Demand

We are also ready to develop and produce specialized machines that solve your specific needs.

If you are interested in our products do not hesitate to contact us for more information.

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