

How 3D Lift Planning Crane Planner 2.0 is lifting away your worries.

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As many know certain crane lifts can often be quite complex and require an immense level of planning. From the very few complex crane lifts I have seen in my time here, the amount of preparation and planning taken is boarding on the ridiculous. The meticulous detail-oriented focus that goes into these lifts, could make a sane person lose their mind. This stress and confusion can come from a variety of reasons that are unpredictable. It could be something as simple as fluctuating weather conditions like heavy winds or a sudden rain/snow storm.

These acts of mother nature can completely undermine the intense planning that goes into a complex crane lift. Other factors like necessary work space can often be confined and difficult to maneuver. Soil conditions are ever changing due to the constant temperature changes and the regions of the lift. Then there is the possibility of human error; like ordering the wrong equipment, the wrong size crane arriving for a job that needs a larger or smaller tonnage. These are only a few of the many things that can go wrong with a complex lift and ultimately cause frustration for anyone working on one of these jobs. There must be a way to fix these issues? It's 2019, can we not try and predict some of the problems, to make it easier on a Crane Operator, Foremen, Engineer, or Project manager?

Well, Liebherr has created a program called Crane Planner 2.0 lift planning software with Virtual reality enhancements. Liebherr has recently decided as a company to get heavily involved in the lift planning industry. Liebherr released the software in early 2017 but has recently made some serious enhancements to the software by adding a virtual reality feature to it, allowing for some magnificent new features. Crane Planner 2.0 is for the range of crawler cranes between LR 1100 and LR 1300, as well as individual duty cycle crawler cranes. The virtual reality enhancement allows Crane Planner 2.0 project to be experienced in 3D, making it seem more realistic and less like a 2way blueprint or picture.

Crane Planner 2.0 is the ideal for any complex crane lift, because it allows for choosing the right equipment for the respective area of application. The software combines highly detailed, interactive 3D models with all the relevant planning data based on the Load Moment Limiter (LML) of the respective machine. Every single change in the crane geometry activates a new calculation of all planning data. The software gives a warning as soon as the risk of the potential collision between machine, load or surroundings exists, or if safety distances are not observed. Using this software can allow you to include

type of crane, load, and surroundings. All this information can be properly calculated on a virtual reality 3D model. One of the coolest features and most amazing to myself is the “Ego Mode”. This feature allows you to observe to move freely in the virtual area and view the jobsite from all angles. To be more exact this means you can literally, transfer yourself 1:1 as virtual person into the jobsite, and view the machines from all angles and experience the lift first hand. These features of this software are endless and the potential to make crane lift jobs more efficient is very evident. This type program allows for companies to save time, money and helps to allow for less mistakes/injuries on site.

I urge you to read up on this software in greater detail and have listed a link below that will help explain in further detail that which this article did not. The measuring functions of this software are endless and are tailored to meet all requirements of a crane lift job site. Planning a complex crane lift can be frustrating and downright crazy if you’re in difficult weather conditions, a poor region or due to human error, the Crane Planner 2.0 helps to alleviate many of these issues. The link listed below also has a video that outlines the many different functions and advantages from using Crane Planner 2.0.

To learn more, click below.

<https://www.liebherr.com/en/can/products/mobile-and-crawler-cranes/crawler-cranes/crawler-crane-technology/crane-planner/crane-planner.html>