

## Scheduling and Production Control in Construction Rethought.

The Danish industry has been revolutionized and Exigo are now ready to world-wide expansion.

**(Lower CO<sub>2</sub> emission has turned out to be a positive side-effect of this method...)**

*"Does any construction projects complete on time?" Our new employee Jesper asked at the lunch table. We were 20 colleagues around the table. Jesper was the first "non construction employee" we hired. He represents everyone who does not spend their everyday life in construction. People who drink their morning coffee, with eyes wide shut, while reading about yet another construction disaster in terms of time and budget. Taxpayers' hard-earned money thrown out with the bathwater along with the time schedule and economy of the projects.*

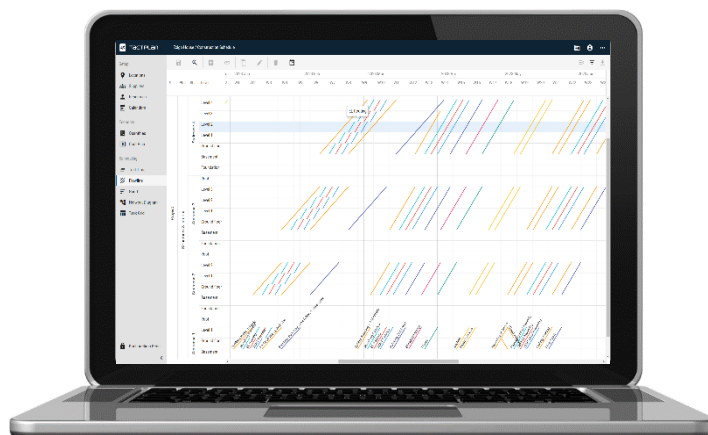
Exigo has already disrupted the Danish construction industry with the implementation of location-based scheduling. 90% of the top thirty largest contractors in Denmark use or have used location-based scheduling. Now Exigo is ready to disrupt the rest of the world with the software Tactplan.com for location-based scheduling.

Exigo has developed Tactplan based on experience from consulting on some of the largest and most complex building projects in the Nordics such as new Health Science building in Odense and New National Hospital in Reykjavik. Several Danish general contractors have also been involved in the development. This ensures a tailor-made SAAS solution that matches the everyday life and needs on construction sites.

### Unique management method behind Empire State Building rethought

Already in 1932 it was proven that the method location-based scheduling can change the industry. Due to the unique method the 102 Floor high building project was finished in 13 and a half months. 3 times faster than similar projects and still today a unique record.

Time schedules in construction are traditionally based on time and activities. Construction scheduling is unique by a tight relation between where and when activities are performed. Traditional scheduling applications fails because they can't take this unique condition into account. Compared to other methods location-based scheduling ensures an optimal flow of resources, gives a better overview of the construction schedule, and thereby enables the management to optimize the construction time significantly. Up until now, the only drawback of the method has been the lack of user-friendly software making it possible for everyone to implement. Therefore, inadequate, and non-construction adaptable methods are commonly used in the industry. With Tactplan.com we can now change that and help everyone build as fast as the Empire State Building.



## Feedback from the industry

The reason why the industry in Denmark has embraced the method so well, is because the results are so obvious. We have asked our Danish customers, what are the top 5 reasons for using the method:

1. No colliding work on locations => no waiting time => better flat fees => better work environment
2. No unused locations on site => optimal utilization of the entire construction site
3. No start/stop in the contractor's workflow => continuous flow on site
4. No uneven staffing => continuous staffing on site => retains experience and knowledge
5. No sudden delays => good overview of consequences of delays in time to correct

Both the scientific results and the years of experiences from the "hands-on" construction managers in the industry, points towards the use of location-based scheduling as a solution some of the industry's most critical issues. Delayed completion time, poor work environment and low infectivity on site.

## A "nice" side-effect

The buildings and construction sector accounts for 37% of the annual global CO<sub>2</sub> emissions. 10% is connected directly to the construction phase. A great challenge in construction is how to create growth in a smarter and more sustainable way.

As a nice side-effect to location-based scheduling is that by shortening the completion time, the amount CO<sub>2</sub> emitted when the construction site running and traffic back and forth to the site, is reduced significantly.

## About Exigo and the CEO, Kristian Birch Pedersen

Kristian grew up working in his grandfather's construction company, and as he got older, he created a strong academic background in construction for himself. He has theoretical knowledge from three university degrees and been guest researcher at Stanford University.

Kristian had well-paid job in a large construction company in Denmark. Around him he saw colleagues tormented with stress and anxiety due to critical issues concerning time and economy on their projects.

Kristian had a rock-solid belief in technology being the answer to some of these issues. He resigned his job and created the start-up Exigo in 2010.

After 10 years Kristian is now an experienced CEO in a healthy company and awarded 6 times Børsen Gazelle. He is doing exactly what he had set his mind to and has 25 employees that shares his vision. With innovative technologies and digital solutions, Exigo creates tangible results for their customers using modern technologies among other location-based scheduling and Building Information Modelling.

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