

CeiliX

CeiliX InfinityCrane

A new Dimension in Crane Technology and Logistics



Reinventing Overhead Mobility:
Free, omnidirectional movement of payloads along the ceiling

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Table of contents

01

APPLICATION PHOTOS

Page

Application Photos

6

02

INTRODUCTION

CeiliX InfinityCrane – A new Dimension in Crane Technology and Logistics

5

Load Transport in all Directions

5

For every Space and Environment

5

Multi-Crane Applications

5

03

SKYRUNNER

SkyRunner250

6

04

CEILIX

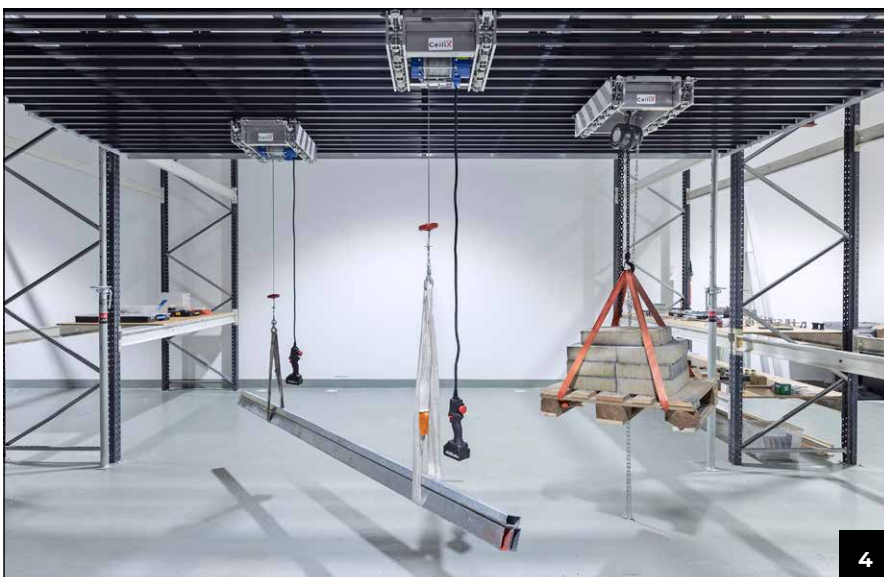
CeiliX Elements

8

Examples of a ceiling construction

9

01 APPLICATION PHOTOS



- 1 Ceilix InfinityCrane:** Effortless transport of payloads weighing multiple tons.
- 2 InfinityCrane in action:** Collaborative work is easier than ever before.
- 3 Omnidirectional movement:** Free ceiling travel with minimal effort.
- 4 Multi-crane application:** Simultaneous use of multiple InfinityCranes for various tasks.

02 INTRODUCTION

CeiliX InfinityCrane – A new Dimension in Crane Technology and Logistics

The CeiliX InfinityCrane is a patented innovation that significantly expands the traditional concept of cranes and conveyor systems. Using an adaptable, modular rail system known as CeiliX, the ceiling transforms into a track for an omnidirectional crane – the SkyRunner – which moves freely in all directions: forward, backward, sideways, and diagonally, even navigating around obstacles such as columns or cables. This enables entirely new possibilities for the flexible and precise transportation of loads weighing multiple tons.



Load Transport in All Directions

The CeiliX InfinityCrane enables omnidirectional, unrestricted movement along the ceiling. With our SkyRunner, payloads of several tons can be transported with minimal effort – often requiring just a single push of a finger.

For Every Space and Environment

Obstacles such as columns or supply lines within a space are no longer a challenge. The foundation of CeiliX technology is a modular ceiling-mounted rail system that can be quickly installed and, following a modular principle, flexibly adapted to any room and easily expanded as requirements grow.

Multi-Crane Applications

Multiple InfinityCranes can be deployed in the same space simultaneously without interfering with one another. This opens up new functionalities, such as rotating and pivoting objects in the air.

Since the InfinityCrane operates overhead, it minimizes hazardous traffic situations on the ground and increases operational safety.

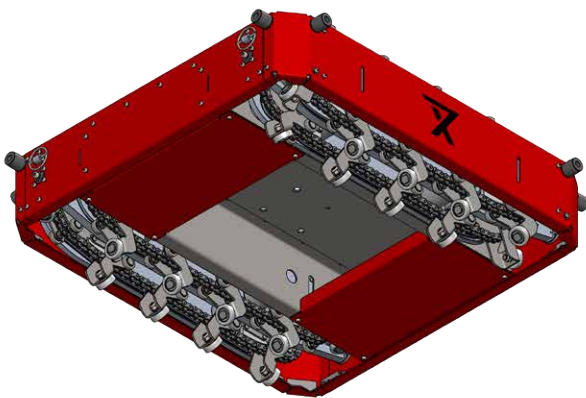
03 SKYRUNNER

SkyRunner250

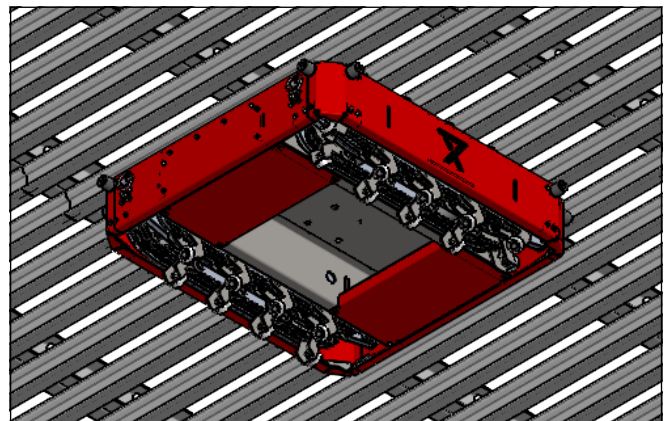
The SkyRunner is a vehicle that moves freely within a specially designed ceiling structure (CeiliX) along both the X and Y axes. Multiple SkyRunners can operate within the same ceiling structure.

Equipped with a hoist, objects can be manually transported, rotated, or turned. One or multiple trolleys can be used simultaneously on the same ceiling.

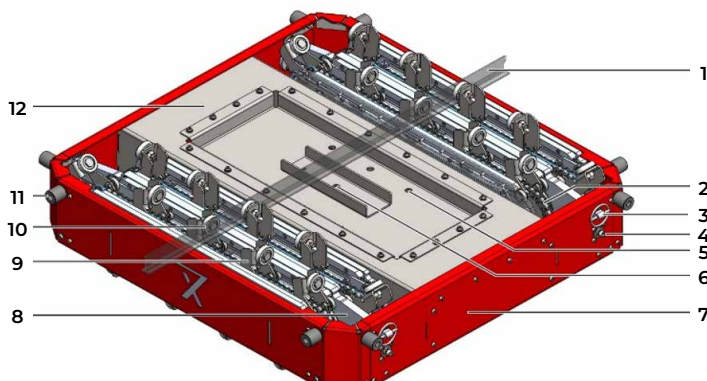
View from below:



SkyRunner at the ceiling



View from above:



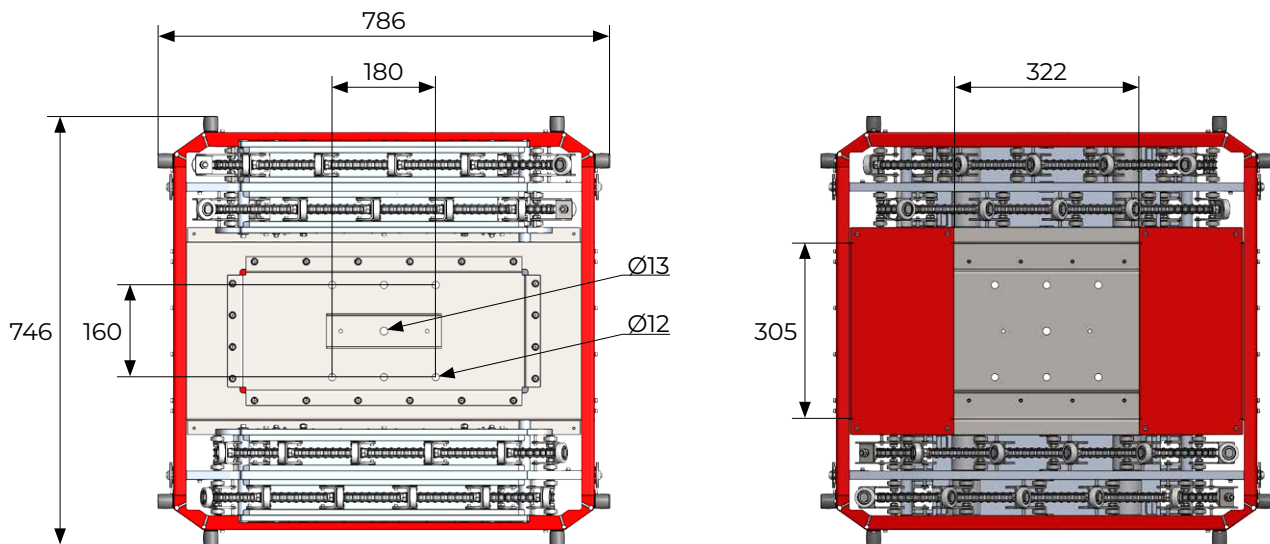
Pos.	Description
1	Overhead running rail (not part of the SkyRunner system)
2	Chain assembly
3	Safety bolt and cotter pin for the module plate
4	Load-transmitting axle of the module plate
5	Lifting equipment mounting hole (optional use)
6	Load-handling attachment mounting hole (optional use)

Pos.	Description
7	Chassis
8	Module plate
9	Arm
10	Guide roller
11	Rubber bumper
12	Central section

Measures in mm:



The SkyRunner features a mounting area with multiple attachment points for integrating lifting equipment of various types.



The SkyRunner is available in different versions depending on the desired load capacity.

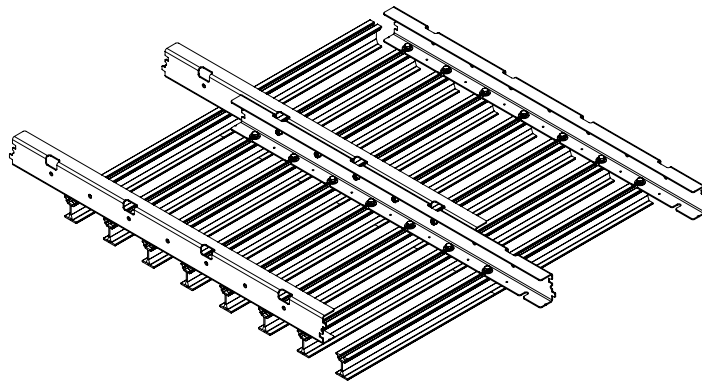
SkyRunner	Load Capacities	Unit Weight
SR250	250 kg	43 kg
SR500 (available from mid-2025)	500 kg	n.n.

04 CEILIX

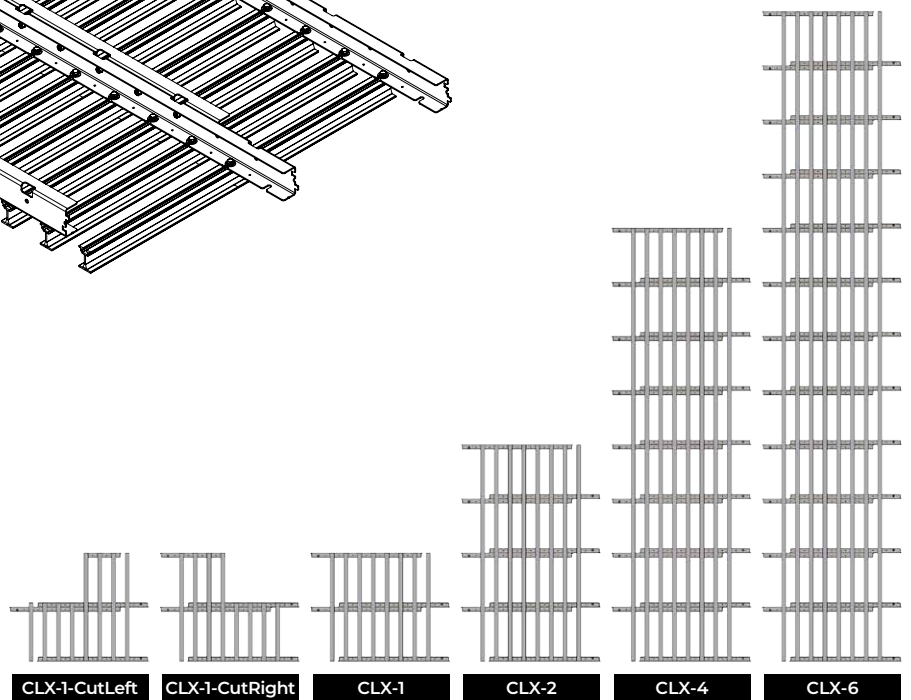
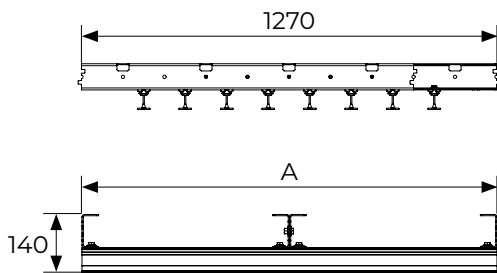
CeiliX Elements

The CeiliX ceiling structure is modular, adaptable to any hall geometry, and easy to install. It grows alongside company needs, allowing for seamless expansion when production volumes increase or new manufacturing steps are introduced.

The CeiliX Elements are available in standardized sizes, starting at 1.00 x 1.00 m, and are connected using a screwable plug-in system. Side panels with boundary rails and an access door for the SkyRunner complete the system. Thanks to cutouts, it can also be installed around columns or other obstacles.



Measures in mm:



CeiliX Elements	Length	Weight	Notes
CLX-1	1,00 m	28,2 kg	Standard
CLX-2	2,00 m	56,4 kg	Standard
CLX-4	4,00 m	112,8 kg	Standard
CLX-6	6,00 m	169,3 kg	Standard
CLX-1-CutRight	1,00 m	23,5 kg	Cutout right
CLX-1-CutLeft	1,00 m	23,5 kg	Cutout left

Examples of a ceiling structure

The color coding is used solely for visual illustration of the different CeiliX elements within the ceiling layout.

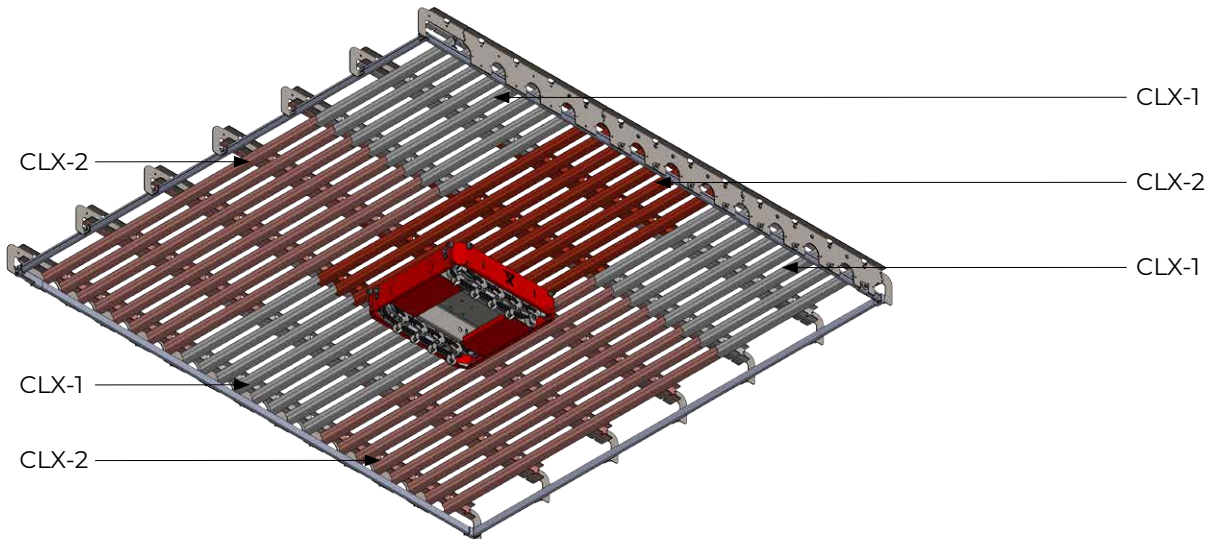


Figure 1: Ceiling area of 3x3 meters consisting of six CeiliX elements – three CLX-2 elements and three CLX-1 elements.

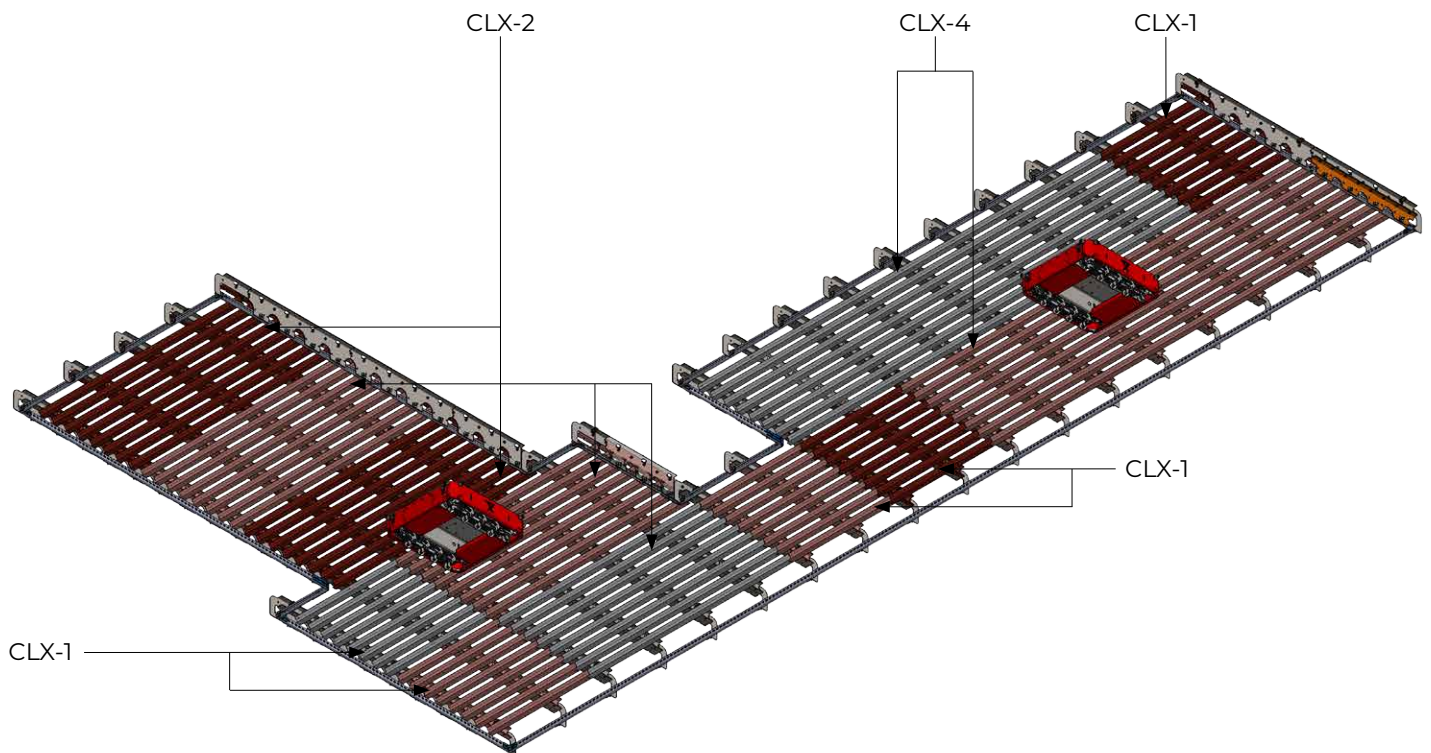


Figure 2: Complex ceiling area consisting of twelve CeiliX elements – two CLX-4 elements, five CLX-2 elements, and five CLX-1 elements.



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