

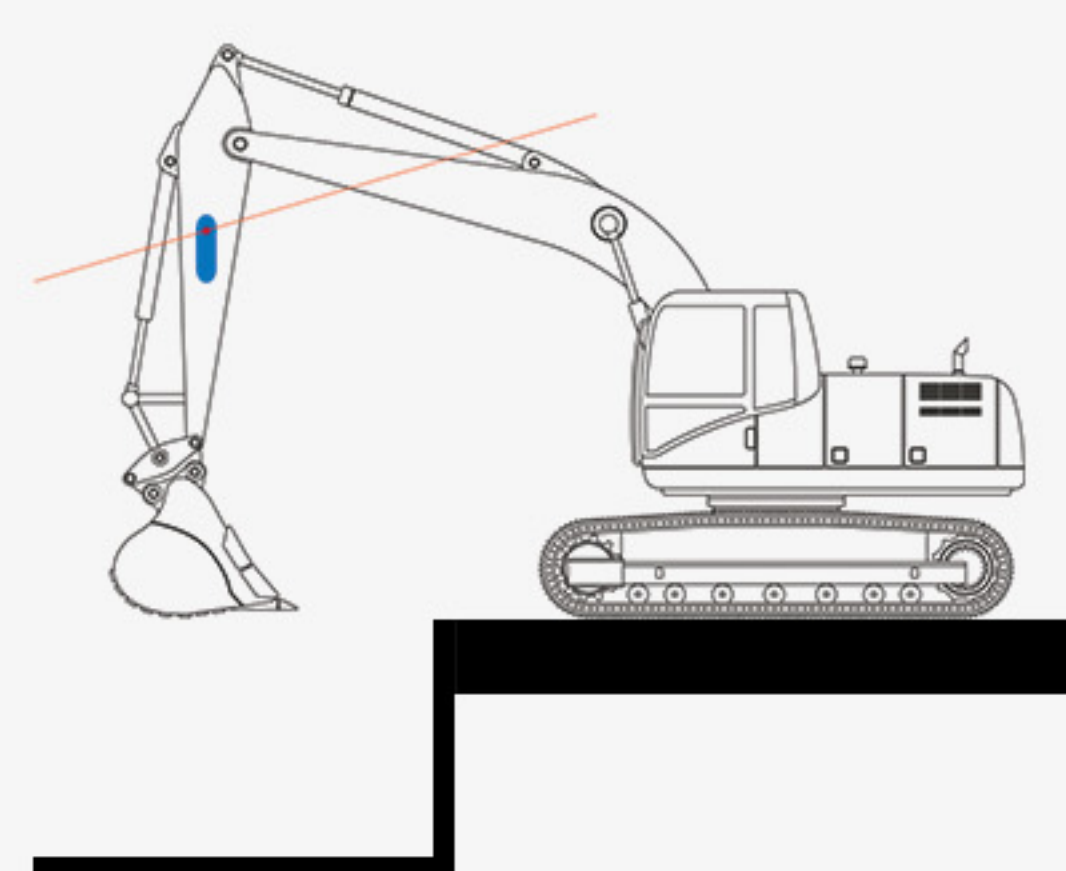
Machine Control Solution
for Excavators





Stonex machine control solutions can be installed in most excavators machines quickly and easily. The simple design of the solution allows you to be up and running in no time.

Thanks to the Android software developed by Stonex, all the components can easily communicate with each other. The software allows you to manage all phases of excavation and machine movement. The system is scalable as needed. It is possible to install a 1D solution and then easily transform it into 2D or 3D.

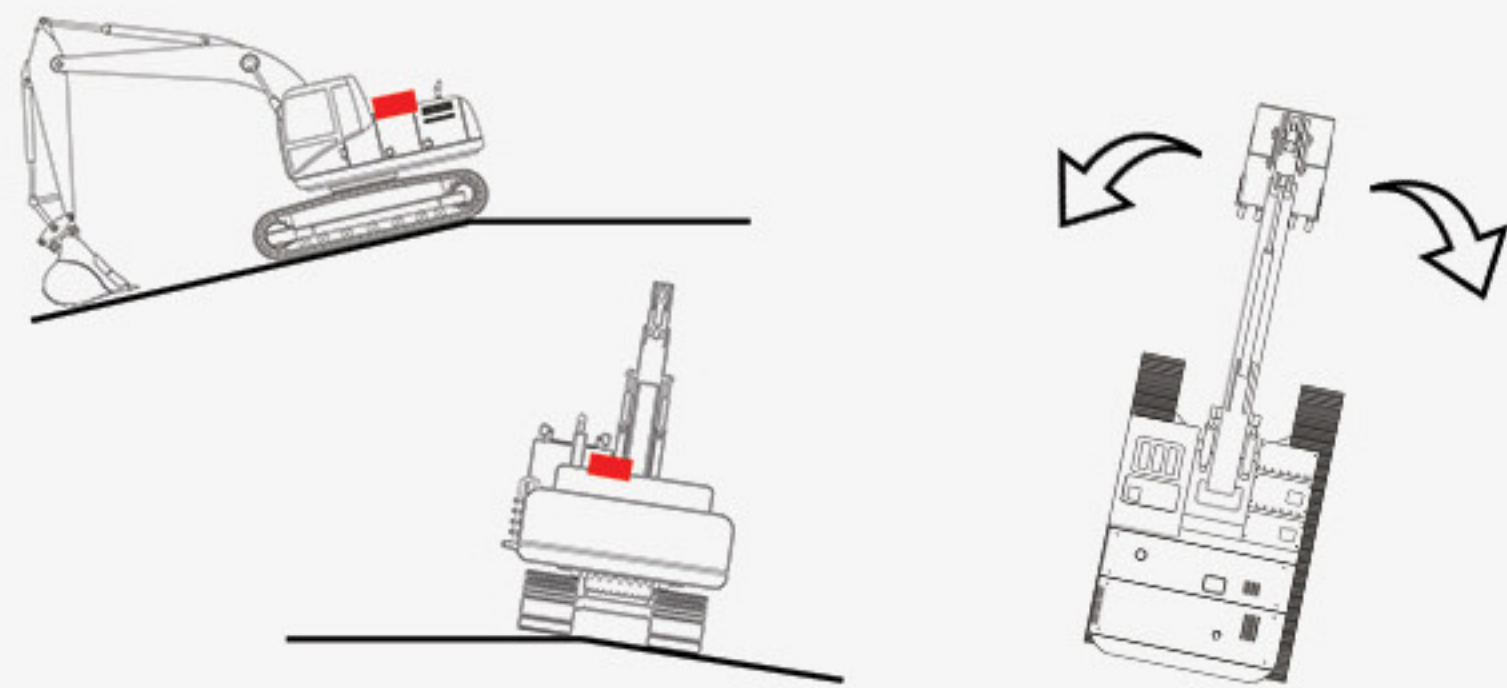


- LASER REFERENCE (optional)

1D

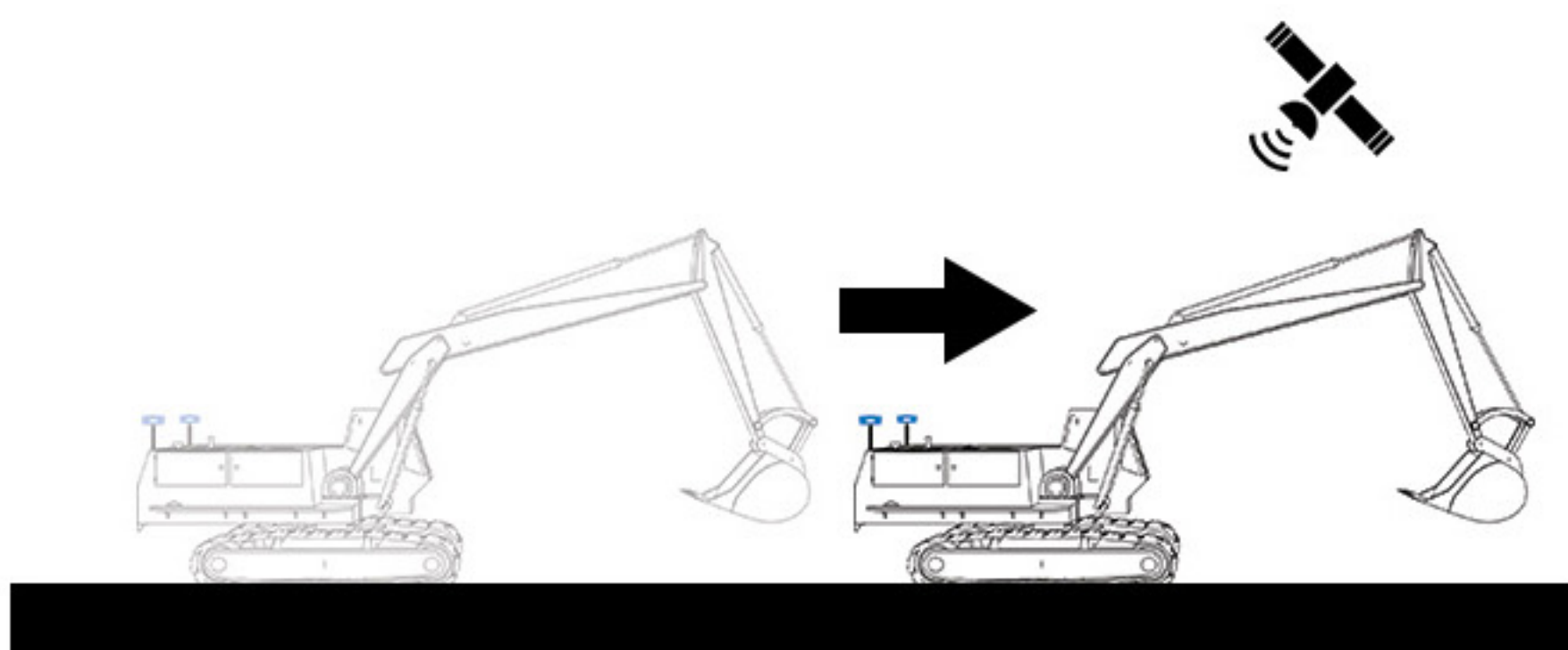
The 1D system is the easiest to install and use. It allows you to manage the digging and vertical leveling phases quickly and precisely. It is a perfect starting point for the user approaching the world of machine control for the first time. Suitable for excavators and mini excavators. You can always check the bucket position from the screen in real time. Complex tasks such as underwater digging and blind digging are simplified because you can always keep an eye on the bucket on the screen. You can work with different height references such as an existing surface or a rotating laser.

2D



The 2D system allows operations to be managed even on the horizontal plane, thanks to the use of a GNSS antenna installed on the machine (heading). It is the simplest solution if you have to work with double slopes. You can create slopes and excavations in any orientation. Just enter the depth of the excavation, the slopes and you can start working. The system uses GNSS antennas like a compass. The system can work with the Touch and Go function or with the laser to transport the working height of the construction site.

- PITCH
- ROLL
- COMPASS
- LASER REFERENCE



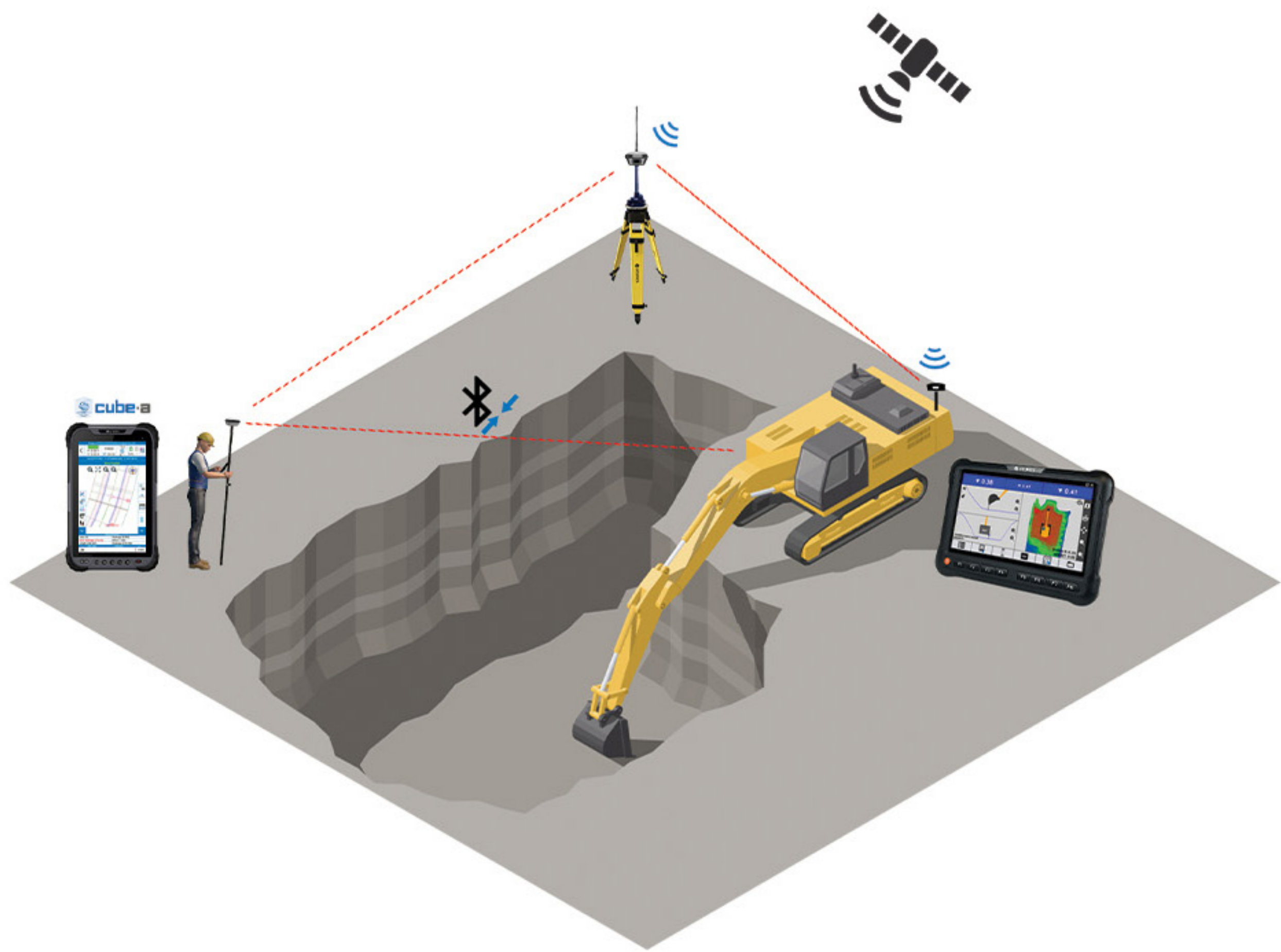
3D Easy

The 3D Easy system allows you to fully move the excavator around the jobsite transporting the working heights thanks to the GNSS RTK. You can create directly on the field simple projects such as a plane surface, sloped surfaces like ramps or pitches.



3D Pro

- PRECISION POSITIONING
- IMPORT PROJECTS (DXF, XML)
- SOFTWARE OPTIMIZED FOR MANAGING COMPLEX PROJECTS



3D Pro allows you to manage complex projects thanks to the ability to import geo-referenced projects. The perfect integration of the data collected with field GNSS receivers and the excavation system makes the process very simple and fast. The management of large and complex excavations can be managed with 3D Pro and Cube-a.



3D PROJECT TYPES



IMPORT OF
GEOREFERENCED
PROJECTS



DEFINE
AREA



FLAT
SURFACE



SURFACE
FROM A-B

MACHINE CONTROL

	1D	2D	3Deasy	3D pro
Depth	✓	✓	✓	✓
Slope	Single	Dual	Dual	Dual
Pipelaying	✓	✓	✓	✓
Grading work	✓	✓	✓	✓
Heigh Allarm	✓	✓	✓	✓
Laser reference	Optional	Optional	Not need	Not need
Tilt bucket	✗	Optional	Optional	Optional
Pitch&Roll	✗	✓	✓	✓
Compass	✗	✓	✓	✓
GPS positioning	✗	✗	✓	✓
Creation of projects in the field	✗	✗	✓	✓
Project import	✗	✗	✗	✓

Applications:

- Construction sites
- Roads
- Railroads
- Parkings
- Airports
- Landfills
- Landscape management
- ...and many more

Benefits of our solutions:

- Precise results
- Reduction of costs
- Productivity increase
- Increase in the quality of work
- Simplified construction site management

More Machine Control solutions by Stonex:



STONEX AUTHORIZED DEALER

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