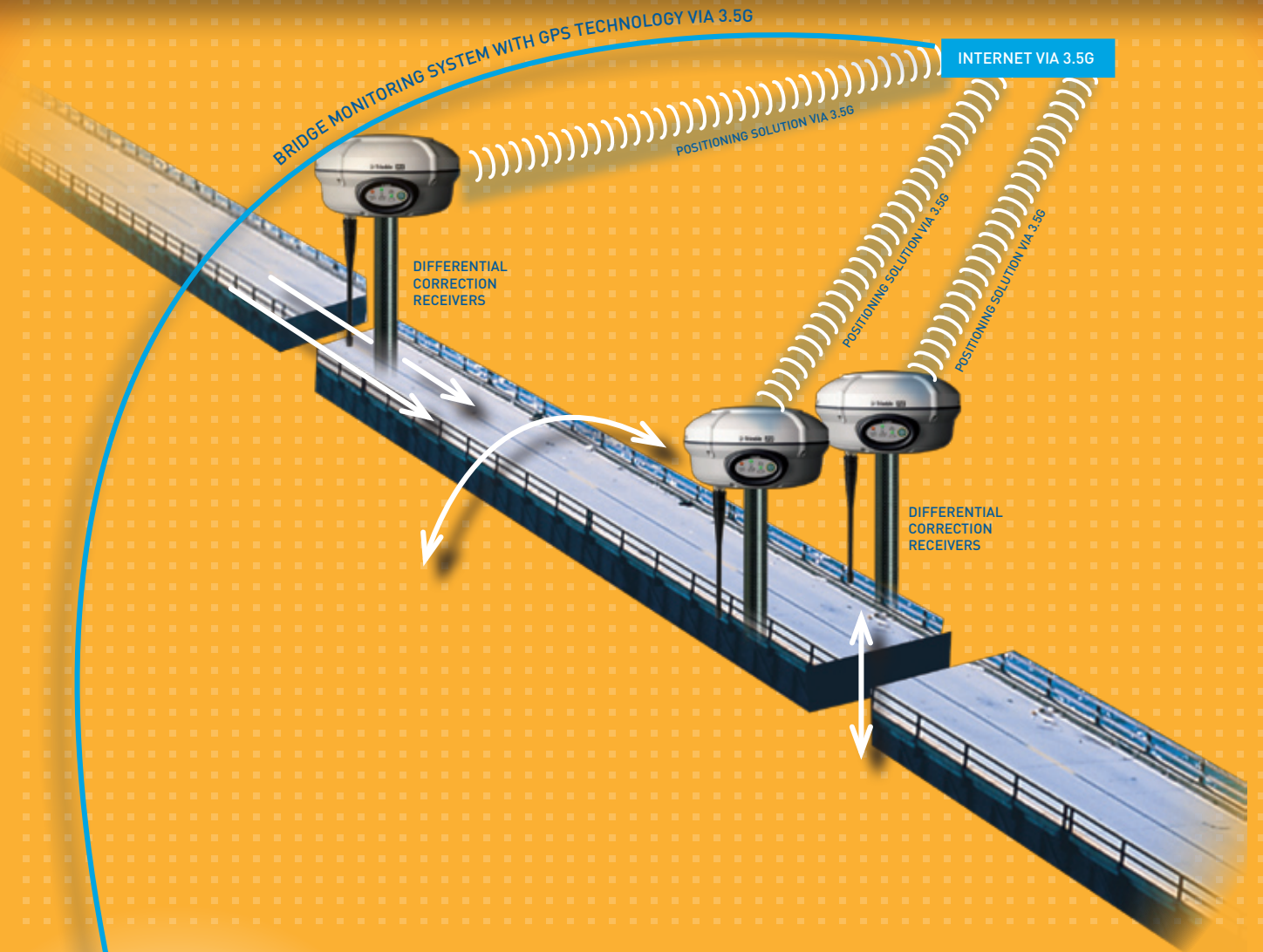


3.5G BRIDGE MONITOR

BRIDGE MONITORING SYSTEM WITH GPS TECHNOLOGY VIA 3.5G



COMPUTER AND CONTROL SOFTWARE



The system is based on three GPS L1/L2 RTK receivers which receive differential corrections from an existing GPS base, or VRS corrections if there is an area of VRS virtual stations. The receivers transmit the positioning solution to a 3.5G device or GRPS, uploading the data to the Internet. Then from a control computer the data is received and processed by specific control software that shows the relative position on the theoretical axes of the project, giving as a result the construction deviations of the platform that is being constructed.

Basic Instruments to be used:

- Two or three GPS Rover RTK receivers with radio or modem. Two 3.5G control modules.
- One supply kit for two receivers. Specific control software.
- One laptop computer.