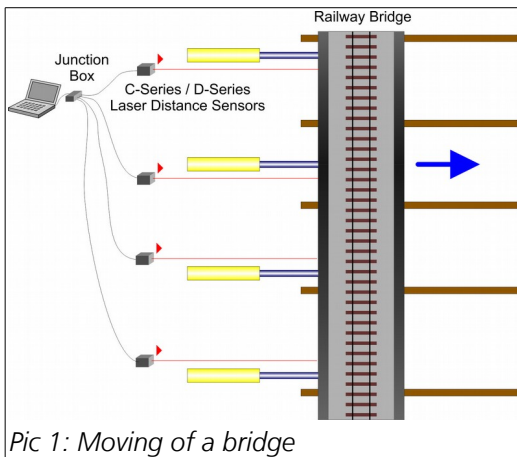


POLYDIST - OUR SOLUTION FOR YOUR PROJECT

PolyDist describes our solution for your future projects. This software, developed by Dimetix AG, allows you to monitor 1-4 sensors at the same time. The use and the purpose of this software will be described by the following example.



Pic 1: Moving of a bridge

Movements of large structures, such as bridges or buildings, demand extreme precision. Following you will find an example of a bridge displacement using **PolyDist**.

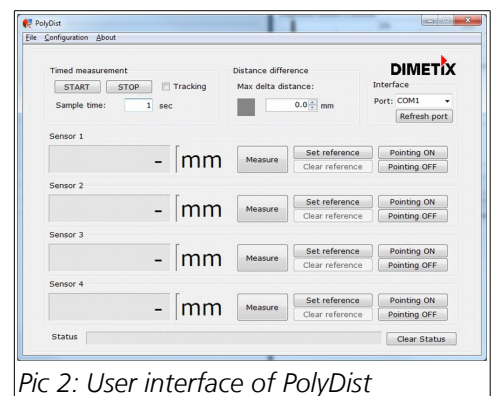
The two bridge ends, the supporting structure and the bridge foot are at the center of the displacement, since the mentioned elements have to be displaced by the same distance at the same time. This process must be continuously monitored to ensure that the bridge can be inserted into the new position precisely and without damage.

Due to **PolyDist**, displacements can be supervised from a safe distance at several positions. The measurements of our sensors are contactless and with a measuring range up to 500m. This method ensures that each hydraulic cylinder is moved synchronously by the same distance.

Our **PolyDist** software is available free of charge and allows you to continuously display the measured distances on a screen. The standard version provides monitoring with up to 4 sensors. We will be happy to check the expansion options of our **PolyDist** system on request.

Application

1. Connect all laser distance sensors to a PC by an adapter box.
2. Switch on all sensors with "Pointing".
3. Adjust all sensors to the measurement target.
4. A zero adjustment is carried out by mouse click.
5. The system is ready for operation as soon as "timed measurement" is active.
6. Each shift is monitored and shown on the display. In addition, all measured values are stored in a file.



Pic 2: User interface of PolyDist

PolyDist offers you a simple solution that has already proven itself in several applications. The application consists of the following components:

- Laser Distance Sensors (number of: 1-4)
- Connecting cables (RS-422)
- Adapter box (RS-422 converter, e.g. for RS-232, USB, Ethernet)
- **PolyDist** Software

