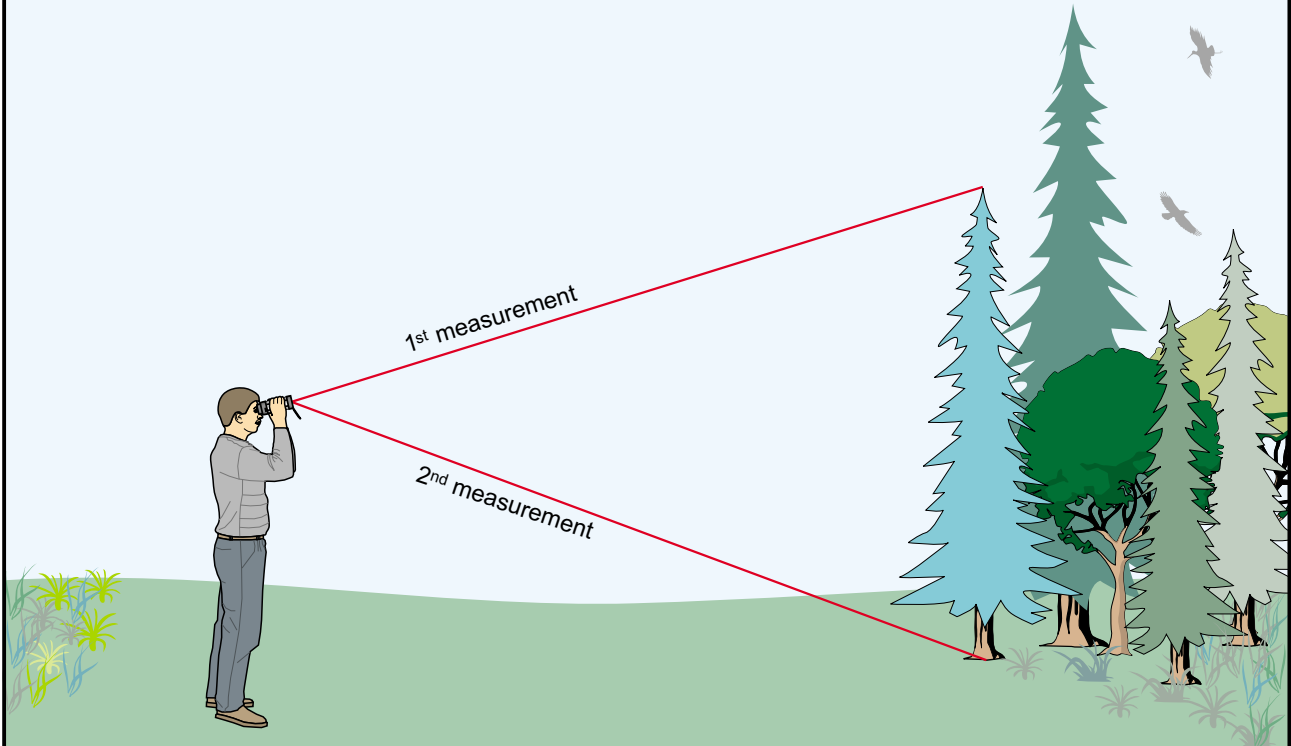


Applications of **RIEGL** Laser Instruments

Problem: Fast and accurate measurement of the height of trees, buildings, etc.

Solution: Hand-held range finder LASERTAPE FG21-HA with built-in inclinometer



Procedure:

- First measurement to the top of the tree
- Second measurement to the foot of the tree
- The height of the tree is automatically displayed

Key features:

- ✓ Quick measurement procedure
- ✓ Narrow measuring beam
- ✓ Comfortable measurement from a remote position
- ✓ Display of slant range, speed, inclination, horizontal and vertical distance
- ✓ Alphanumeric LED-Display
- ✓ RS232 data interface or RS422 as an option

Performance:

- ✗ Maximum inclination 60 °
- ✗ Maximum range up to 1000 m (Lasertape FG21-HA)

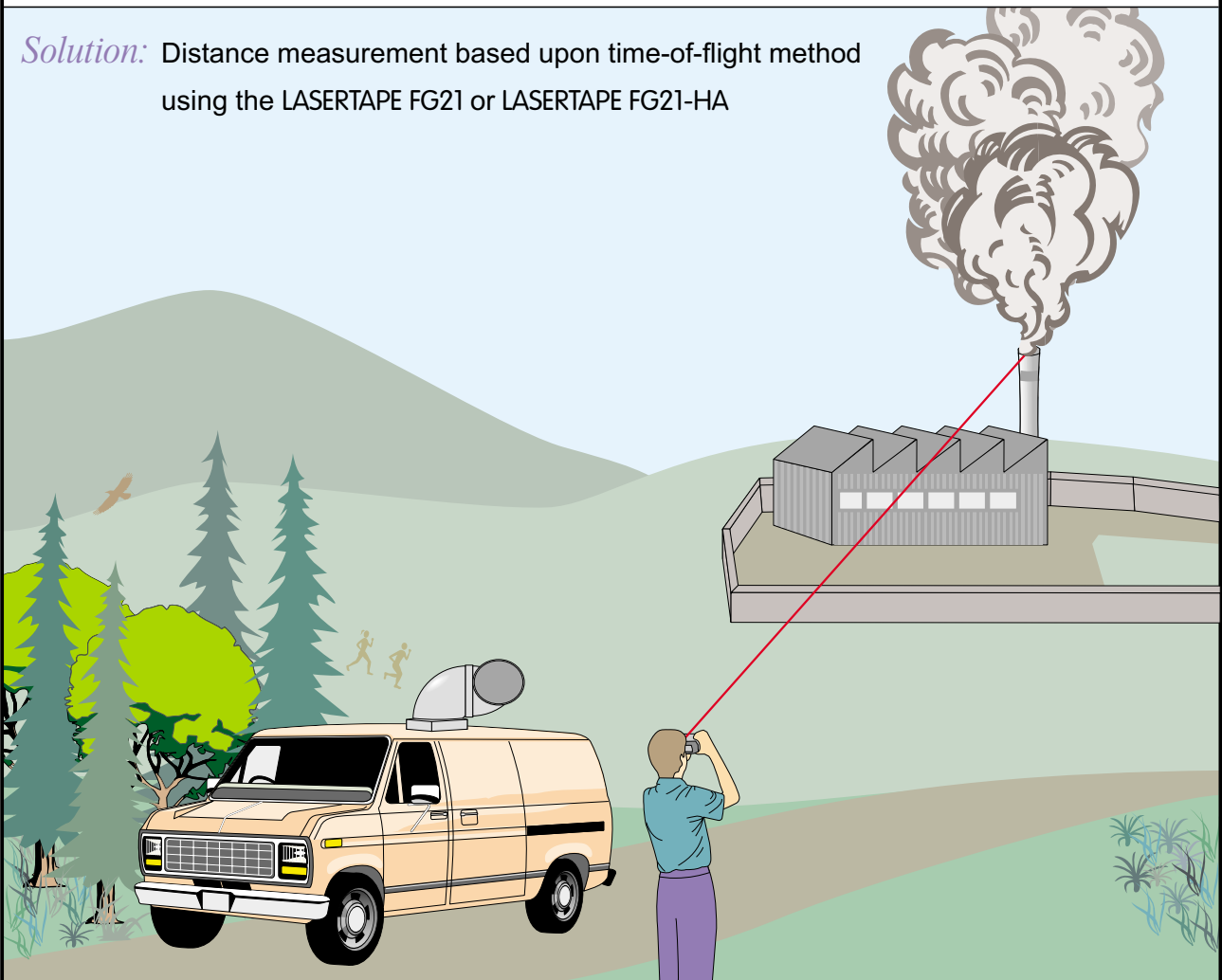
Related applications:

- ☞ Height measurement of buildings
- ☞ Height measurement in mining, etc.

Applications of **RIEGL** Laser Instruments

Problem: Range determination for environmental measurements, e.g., range of a factory chimney

Solution: Distance measurement based upon time-of-flight method using the LASERTAPE FG21 or LASERTAPE FG21-HA



Key features:

- ✓ Access to factory premises is unnecessary, thus permission to enter is not required (factory in question is unaware of being investigated)
- ✓ Instruments are not larger or heavier than conventional folding binoculars
- ✓ The typically short measuring time of 1 second allows the instrument to be easily operated without a tripod
- ✓ RS232 interface

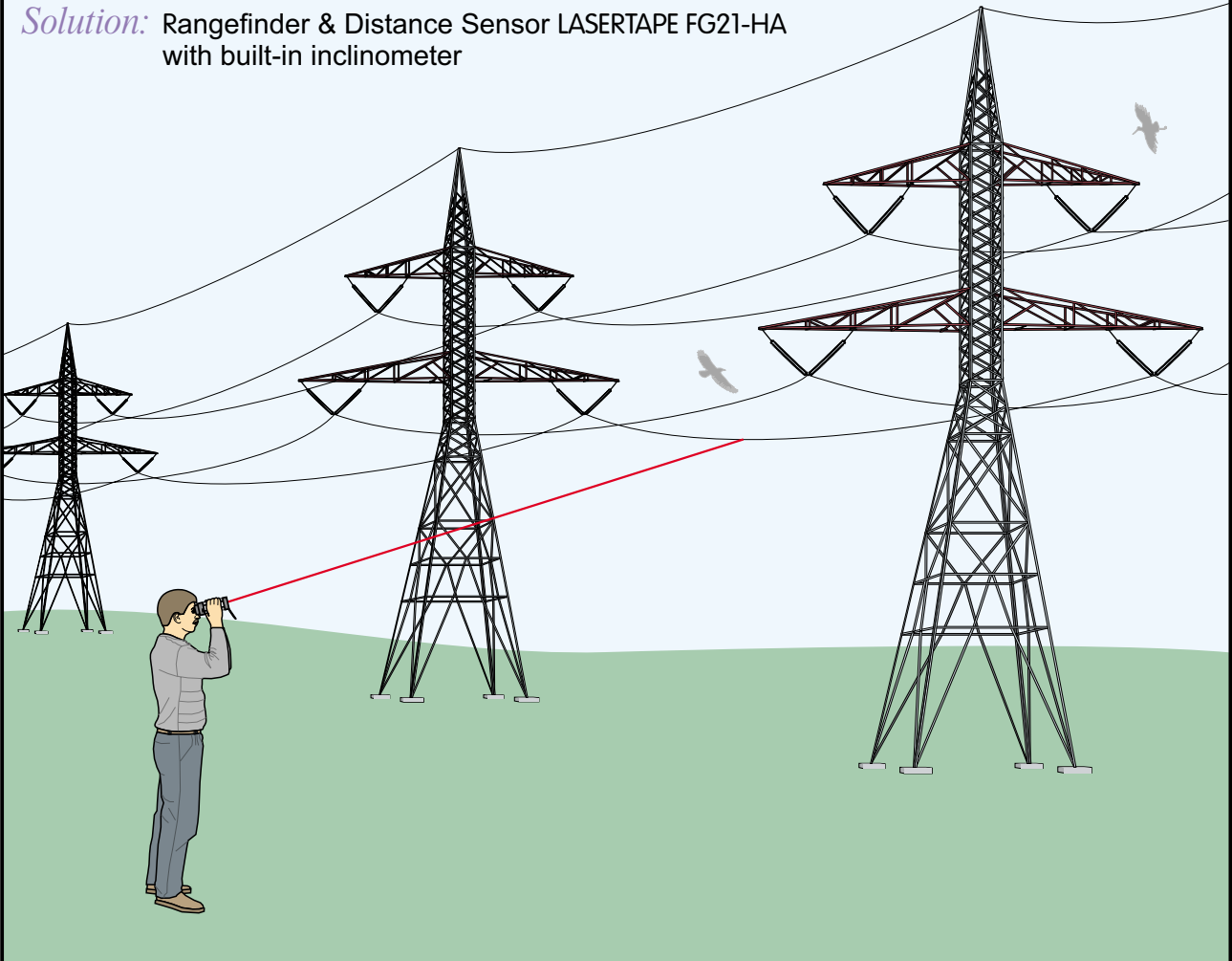
Performance:

- ✗ Range up to 2000 m under good conditions
- ✗ LASERTAPE FG21-HA can provide slant range as well as horizontal range and height of the object in question
- ✗ Reduction of range under bad weather conditions (fog, snow, and heavy rain)

Applications of **RIEGL** Laser Instruments

Problem: Measurement of the height and the sag of high-voltage lines

Solution: Rangefinder & Distance Sensor LASERTAPE FG21-HA with built-in inclinometer



Key features:

- ✓ Quick measurement procedure
- ✓ Narrow measuring beam
- ✓ Comfortable measurement from a remote position
- ✓ Cost effective
- ✓ RS232 data interface

Performance:

for a typical diameter of 32 mm of the wire:

- ✗ LASERTAPE FG21-HA: up to 100 m, acc. ± 5 cm
- ✗ LASERTAPE FG21-LR: up to 200 m, acc. ± 10 cm

Related applications:

- ✗ Height measurement of buildings
- ✗ Height measurement in mining, etc.