



TinySurveyor

Quality. Efficiency. Safety.

Tiny**Mobile**Robots



Your New Colleague

The TinySurveyor robots represent the ultimate high-precision instrument for the surveying and infrastructure industries. They have an unparalleled ability to execute large tasks up to 10x faster than traditional methods.

The TinySurveyor robots are used for a wide range of projects, including

- Large scale stake-out
- Road pre-marking
- As-built surveys
- Topography
- Surveying
- Set-out

A Need For Efficiency Gains

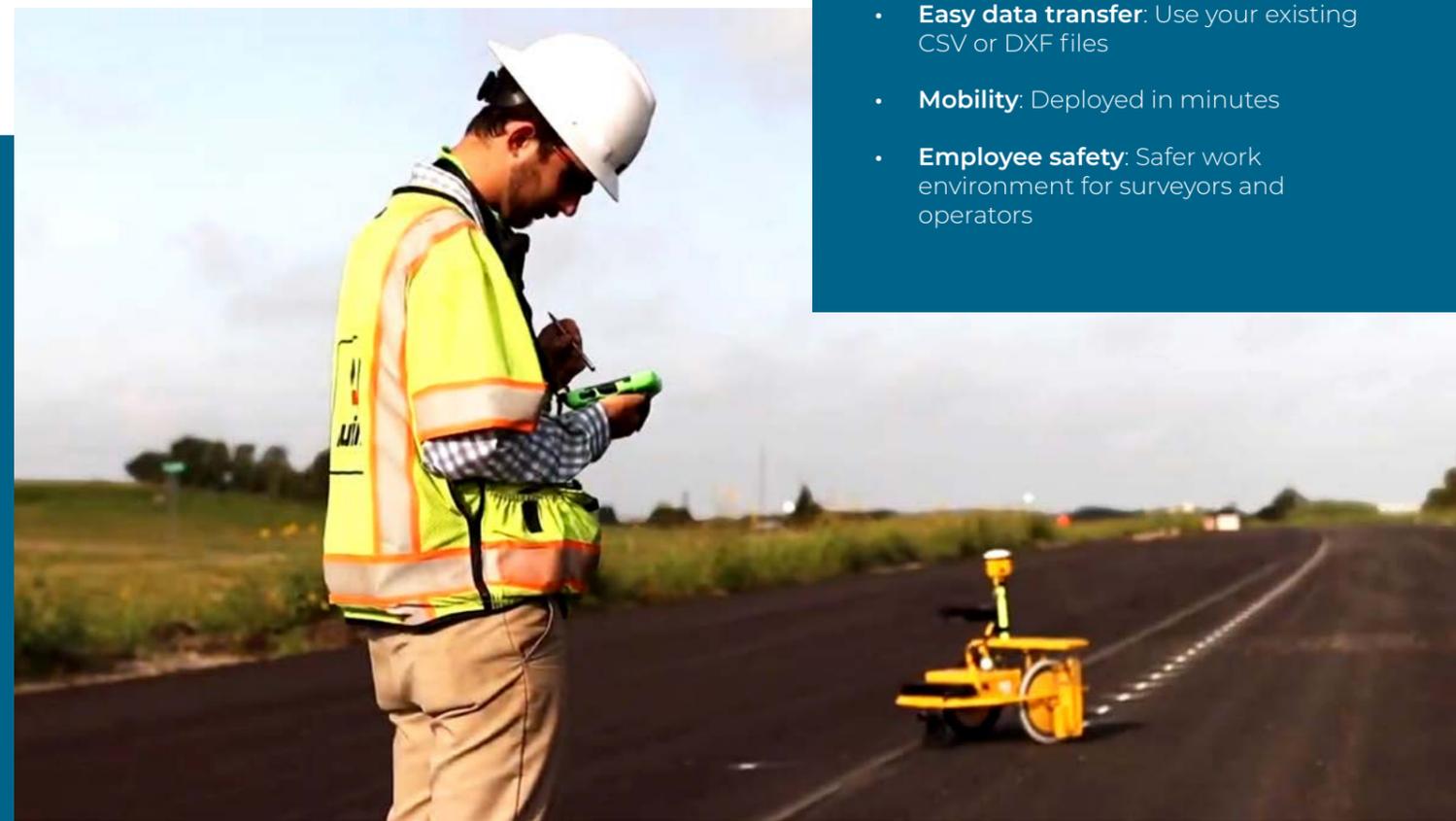
The infrastructure, road and construction industries are major economic sectors but often plagued with inefficiencies and low productivity.

The scale of projects means that even small efficiency improvements lead to substantial cost savings.

The ability to mark out existing data or collect new data at high speed and with high accuracy makes the TinySurveyor robots the ideal solution for repetitive, time-consuming and labor-intensive tasks.

Key Outcomes

- **Productivity:** Stake out up to 600 points per hour
- **Performance:** Tirelessly execute large tasks
- **Integration:** Use your existing GNSS equipment or use built-in GNSS
- **Easy data transfer:** Use your existing CSV or DXF files
- **Mobility:** Deployed in minutes
- **Employee safety:** Safer work environment for surveyors and operators



Quality

- Repeatable results with GNSS and total station
- Accuracy 1-2 cm / 0.4-0.8 in using GNSS
- Millimeter precision using total station
- Substantial quality improvements in project execution

Efficiency

- Stake out up to 600 points per hour
- Up to 10x times faster than traditional methods
- Operation for 8 hours on one battery charge
- Rugged tablet to operate the TinySurveyor robots

Safety

- Operate from the safety of a vehicle or behind safety barriers
- Reduce fatigue and body strain on operator
- Operator can stay out of live traffic areas
- Emergency stop (manual and automatic)

TinySurveyor Plotter

On-road Applications

TinySurveyor Plotter is designed for roadworks on even surfaces such as new concrete layers in road construction.

The compact design makes it easy to transport and deploy. The high-visibility safety beacon and ultrasound sensors allow the robot to operate safely in spaces with live traffic or other equipment.

Ideal for:

- Road pre-marking
- Construction lay-out
- Airport pre-marking



TinySurveyor Terra

Off-road Applications

Thanks to its sturdy construction and large motor wheels, TinySurveyor Terra can work on more demanding surfaces such as gravel, sand, uneven grass areas etc.

Ideal for:

- Solar park set-out
- Event stake-out
- Stake-out on gravel, sand etc.

Would you like to
request a quote or
book a free demo?

[Click here](#)

“What would have taken five weeks, this little robot has done in one week.”

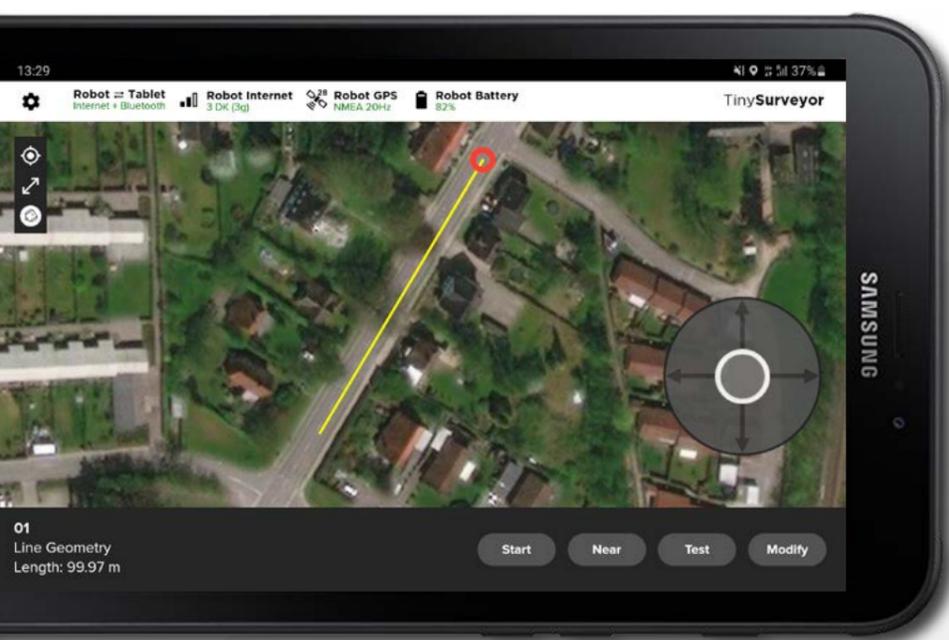
Paul Coughlan
Head of Infrastructure Development
Brisbane Airport



For a new runway at Brisbane Airport, TinySurveyor Terra was used to lay out 50 km / 31 mi of multiple line styles and lengths. The job was completed in five days, allowing the surveyors to reduce time, improve efficiency and focus on more project critical tasks.

[Click to learn more](#)

TinySurveyor Tablet



The accompanying tablet gives the operator full control of the robot as well as the parameters of the job in question. For instance, the operator can customize marking settings, apply projection shifts and adjust robot velocities directly from the tablet. Existing CSV and DXF files can be sent directly from the tablet to the TinySurveyor, allowing operators to start working minutes after arriving on site.

Customer Projects



Highway projects

The TinySurveyor has been used extensively in several highway projects in the UK. Operators boosted their pre-marking by a factor 6.

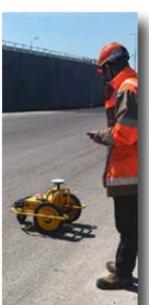
[Click to read more](#)



Harbor set-out

The TinySurveyor was used to set out points for vertical drainage installation on a construction site in Denmark. 250 points per hour were marked.

[Click to read more](#)



Pier pre-marking

The TinySurveyor pre-marked asphalt coating strips on a new pier construction at the Calais Harbor in Northern France.

[Click to read more](#)



Indoor set-out

Using total station integration, the TinySurveyor marked out the booth positions for an indoor exhibition with high speed and accuracy.

[Click to read more](#)

Get in touch

For more information, please contact:

Per Kristensen
Head of Sales Infrastructure
+45 31 31 99 33
sales.infrastructure@tinymobilerobots.com

Tiny**Mobile**Robots

