

# CASE STUDY

Eldercare facility Mijzo eliminates false alarms for patients who fall and ensures that care is provided immediately after a fall.



Kepler Night Nurse™

## THE SCENARIO

Mijzo is a care provider operating between the four cities of Breda, Den Bosch, Gorinchem and Tilburg. Mijzo supports some 2.500 elderly, recovering clients and people with chronic conditions who want to continue to shape their lives in their own way.

Mijzo location “Het Koetshuis” used a DEC telephone system and laser detectors (bedposts). However, this system is very limited; it only detects “in or out of bed. This leads to a plethora of unnecessary, undirected, false alarms.



## RESULTS

Two measurements were taken to evaluate the effect of using Kepler Night Nurse at Mijzo. One before the introduction of the system and the other after the introduction of Kepler Night Nurse.



**22%**

*fewer steps with  
Kepler Night Nurse*



**0**

*unnecessary visits to  
residents*

## CONCLUSION

By Kepler Night Nurse reduced the workload and there were no disruptions to residents due to false alarms.

## THE SOLUTION

With an open and curious eye to the future, Mijzo is always looking to improve its methods further and ensure that its healthcare staff can do their jobs as efficiently as possible.

In April 2022, Mijzo began a complete monitoring system replacement. This included the introduction of Kepler Vision's AI-powered 'Kepler Night Nurse'. This is a fall detection tool that, via live camera images, monitors clients in their rooms and common areas.

Kepler Night Nurse generates instant alerts after a fall. Notifications are also sent to prevent falls, such as when someone sits on the edge of the bed. This reduces the burden on staff and leaves them more time for other (care) activities.

## MIJZO EMPLOYEES:

Frans Korf is cluster manager of innovation at Mijzo. For 'Het Koetshuis,' he went looking for a way to gain hours:

*"Our innovations must contribute to the independence of our clients and it must also increase that independence. In addition, we always look for solutions that are scalable and also somehow lead to labor savings."*

Twanny Zijlmans, care, welfare and facilities team manager at Mijzo location 'Het Koetshuis,' saw that the care team was getting heavier and heavier and that the care was also infringing on the residents' privacy.

*"We noticed within 'Het Koetshuis' that the care was getting heavier and heavier and that we regularly had to check in the residents' rooms to see if everything was okay. We then started looking at facilitating some automation within the home, which would reduce the workload and allow us to give people more privacy."*

## PRIVACY CONSIDERATIONS

At Mijzo, patient privacy is of utmost importance. Because Kepler Night Nurse uses AI surveillance from live camera footage to monitor residents, it is crucial to give each resident the option of whether they want to be observed in this way. Therefore, only site clients who agreed to this new monitoring system were included.



### BEFORE KEPLER NIGHT NURSE

- Patients may be left for hours after fall
- Staff unnecessarily busy responding to hundreds of false alarms
- Real falls are missed due to outdated systems with possible consequences

### AFTER KEPLER NIGHT NURSE

- Patients are helped immediately after a fall
- Much more rest for employees during night shift
- A greater understanding of the patient's life rhythm

## KEPLER NIGHT NURSE IN ELDER CARE ORGANIZATION MIJZO

Kepler Vision Technologies has helped Mijzo improve safety, reduce risk and eliminate unnecessary false alarms.

Since its introduction, Mijzo has installed 80 Kepler Night Nurse sensors in patient rooms and common areas and will expand to over 600 sensors this year.