

# L8-C1 Which sensors on solar panels

You have to design a small ( $1\text{dm}^3$ ) mobile robot used for cleaning of solar panels (see picture). You have planned a wheel encoder on your robot, but you have to improve the position estimation made by a Kalman filter. You can choose only one additional sensor, which one do you choose? In which step of the filtering do you use it? Prediction or Correction?



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**Yaw, pitch and roll sensor**  
**Gyroscope**  
**Wheel speed**

Prediction	Correction
A	D
B	E
C	F