

GENESYS

ROBOTICS PILOT

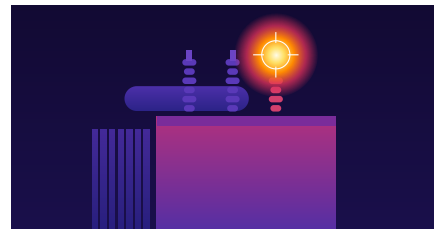
DEVELOPED BY JUMPHASH



Hot connection

Seen by the thermal camera

THERMAL CAMERA



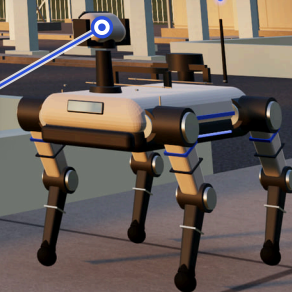
Normal Warm Hot

Running hot · 78.4 °C

Transformer, bay three · 09:16

Inspection robot

Thermal camera and microphone



ROBOTICS IN ENERGY OPERATIONS

Prototype in pilot

Robots do the rounds. Crews get the findings.

A GENESYS robotics prototype is in pilot. Inspection robots and drones collect readings on a schedule, and every finding reaches AMS & LES with its photo, value and location. The aim is fewer truck rolls and earlier failure detection.

Fewer truck rolls

Routine readings come from the robot's round. Crews drive out when a finding needs them.

Earlier failure detection

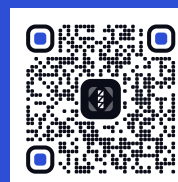
Rounds run more often than manual inspections, so trends show up sooner.

Distance from live equipment

Inspection and switching happen without a person in front of energised switchgear.

Join the pilot as a robotics or utility partner.

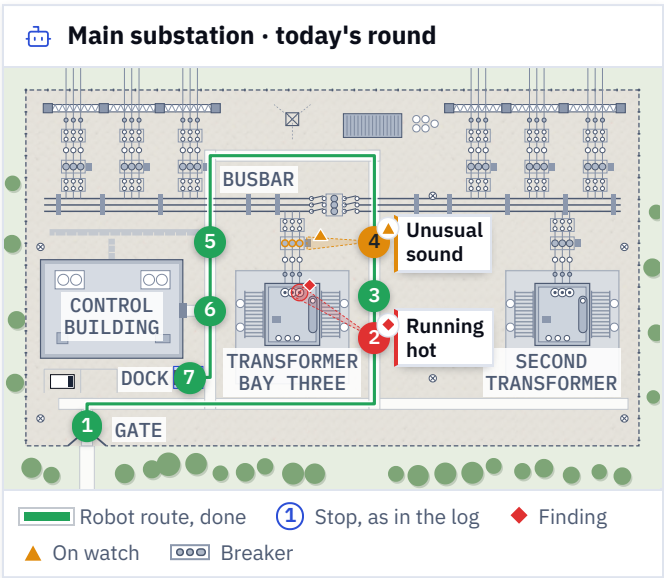
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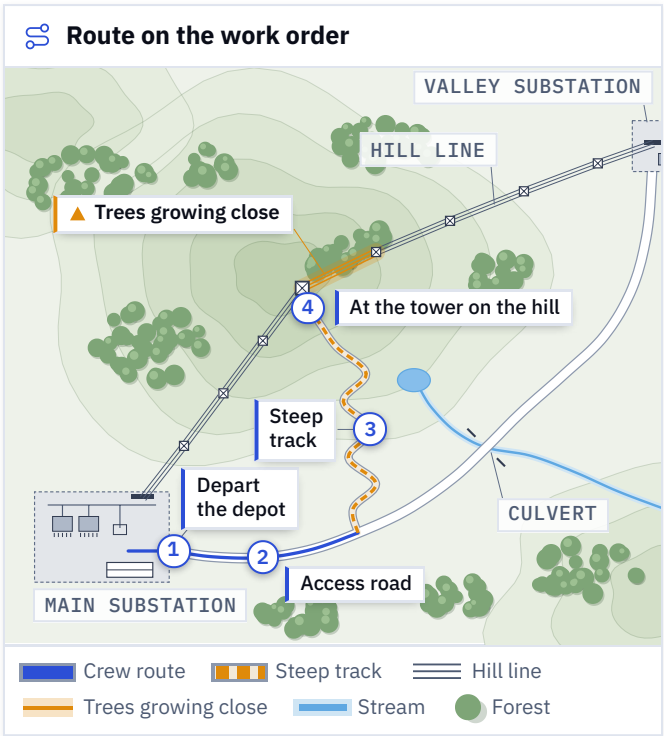
SCAN FOR THE PAGE

THE ROBOT'S ROUND, THEN THE CREW'S TRIP

A reading is a finding once it is tied to an asset.



Inspection robot · round log		
37 readings · 2 findings · round complete		
1	09:12 Gate Today's round starts	ready
2	09:16 Transformer, bay three Thermal photo Finding	78.4 °C
3	09:19 Transformer, bay three Oil level	62%
4	09:24 Breaker, bay three Sound recording On watch	41 dB
5	09:29 Breaker, bay three Breaker position	closed
6	09:34 Control building Cabinet doors	closed
7	09:40 Dock Round ends	37 readings



WORK ORDER · LINE CREW

Trees growing close to the hill line

- Line crew 1, two people
- Span by the hill tower
- Four-wheel-drive vehicle
- Permit to work active

THE TRIP, STOP BY STOP

- 1 Depart the depot**
Four-wheel drive, saw and permit on board
- 2 Access road**
Gravel, along the valley floor to the track
- 3 Steep track**
Four-wheel drive only, in low gear
- 4 At the tower**
Clear the span, attach a photo, close the job

→ Fewer trips. Earlier warnings. More distance.



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3D people Microsoft Rocketbox (MIT). Environment assets Poly Haven (CC0).