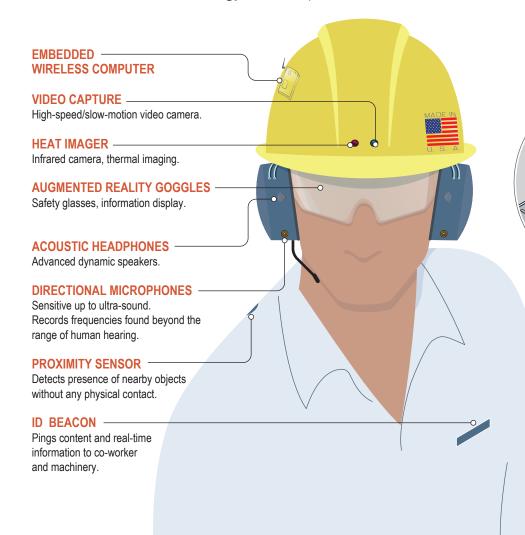
Thinking worker-centric

Calit2 envisions empowering smart workers to have greater autonomy and decision-making responsibilities, resulting in not only a more satisfied, masterful workforce, but also plants and factories that are more energy-efficient, productive and safer.



2

REAL-TIME TRAINING CR EXPERT ASSISTANCE TR

Inexperienced workers receive remote coaching. Off-site coach has access to data and sensors to see, hear and sense the workspace and provide immediate instructions.

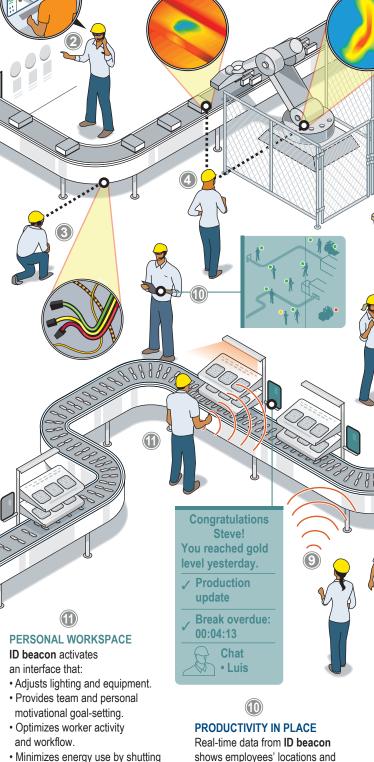
Turn valve

to 120."

CROWD-SOURCED TROUBLE SHOOTING Worker notices problem (loose wiring), takes photo and gathers data via helmet computer/camera

3

and uploads for evaluation. Audio can be included. Maintenance and efficiency are improved by encouraging real-time, workerintelligence to solve problems.



shows employees' locations and activies. Allows assessment of workers' well-being and productivity.

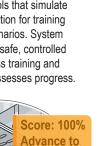
down nonessential equipment

when worker leaves area.

1

SIMULATOR TRAINING

Instructional environment with sensors and controls that simulate the actual work station for training and advanced scenarios. System provides low-cost, safe, controlled situation-awareness training and more accurately assesses progress.





IMAGING ENERGY CONTROL

Infrared, thermal **heat imager** identifies irregular and excessive heat. Irregularities can create stress and product defects. Excessive heat is an energy-waster that also damages machinery.



PRECISION EFFICIENCY

Augmented vision records and displays speed and position of any object – from production lines to a moving forklift. Assists in providing greater efficiency and accuracy in reporting output and environmental conditions.

6 EXTRA SENSORY POWER

Proximity sensor delivers a stimulation when a box (or any item) is in close proximity, or in a worker's path. Workers get a "super sense," like eyes in the back of their head.



BAT HEARING

Ultrasound, **highly directional audio recording** checks sound emitted by equipment to detect abnormalities. Inaudible sound is recorded, amplified, filtered and played back for the worker who listens for discrepancies.

Detecting malfunctions keeps equipment operating at peak condition and prevents small maintenance issues from becoming catastrophic system breakdowns.



HANDS-FREE ACCESS

ID beacon ping allows employees access to certain machinery and secured areas for more efficient workflow.

IOOK OUT, HUMAN HERE!

ID beacon pings to machinery and vehicles when a human is nearby. Vehicles alert drivers to human obstacles they don't see. Machines can shut-off immediately to avoid potential injuries.