



Automated detection and response to key incidents and risks in prison cells and common areas

cyCorrections

State of the art Vision AI solution for Correctional Services, that enhances safety and security for inmates and staff

Top Challenges faced by Correctional Services

1

Early detection of
abnormal & risky
behaviors of inmates
in cells and Common
areas

2

Ubiquitous count and
identification of Inmates
in cells and common
areas

3

Automated response
to safety & security
incidents

4

Streamlined review
and investigations of
past incidents

cyCorrections

Vision-AI Algorithms, uniquely designed for prison environments



**Detection of
inmate
aggressive
behavior**



**Detection of
inmate self-harm**



**Detection of
inmate
attempts to
commit suicide**



**Continuous
inmate
counting**



**Detection of
weapons**



**Continuous
inmate
recognition &
identification**



**Continuous
Inmate behavior
analysis**



**Cell, housing
unit and block
profiling**

Key advantages



Privacy compliance
using image/video
anonymization



Self-learning
AI algorithms



Real time alerts
at the industry
highest accuracy



Extremely low
false alarm rate



Robust situational
awareness
dashboard



Automated SOP-
based response
to incidents



Any camera,
any VMS

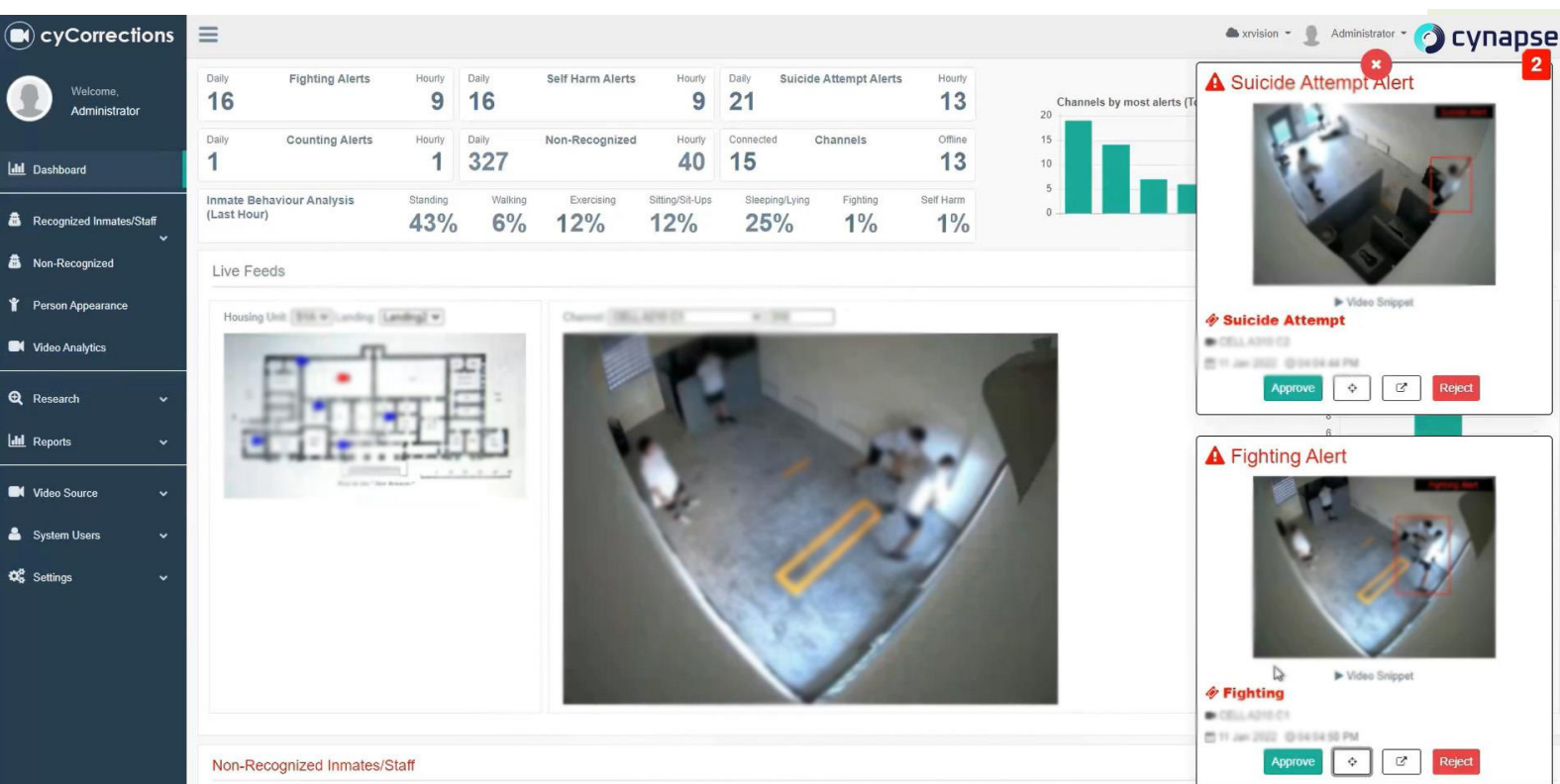
Case Study – Singapore Prison Services (2021)

Changi Prison

Singapore Prison Services (SPS) deployed cyCorrections at Changi Prison for early detection of aggressive behavior, self-harm and suicide attempts for hundreds of prison cells, enabling SPS command centers and duty officers to perform early intervention and mitigation of inmates abnormal behaviors

- Deployed at 400 prison cells
- Real-time detection of Inmates aggressive behavior, self harm and suicide attempts at >90% accuracy
- Less than 1 false alarm per camera per day
- Passed rigorous accuracy, security & stability tests
- Integration with prison LOB & C2 systems

cyCorrections in action



about cynapse

Leading Correctional Services and Homeland Security agencies use cynapse's Vision AI (a.k.a. Video Content Analytics) solutions to automatically monitor, detect and respond to safety and security events in real-time.

Based out of Singapore with customers in 4 continents, cynapse is widely recognized as a global leader in Vision-AI based solutions, for addressing complex security, safety and operational events