

Safety Laser Scanners

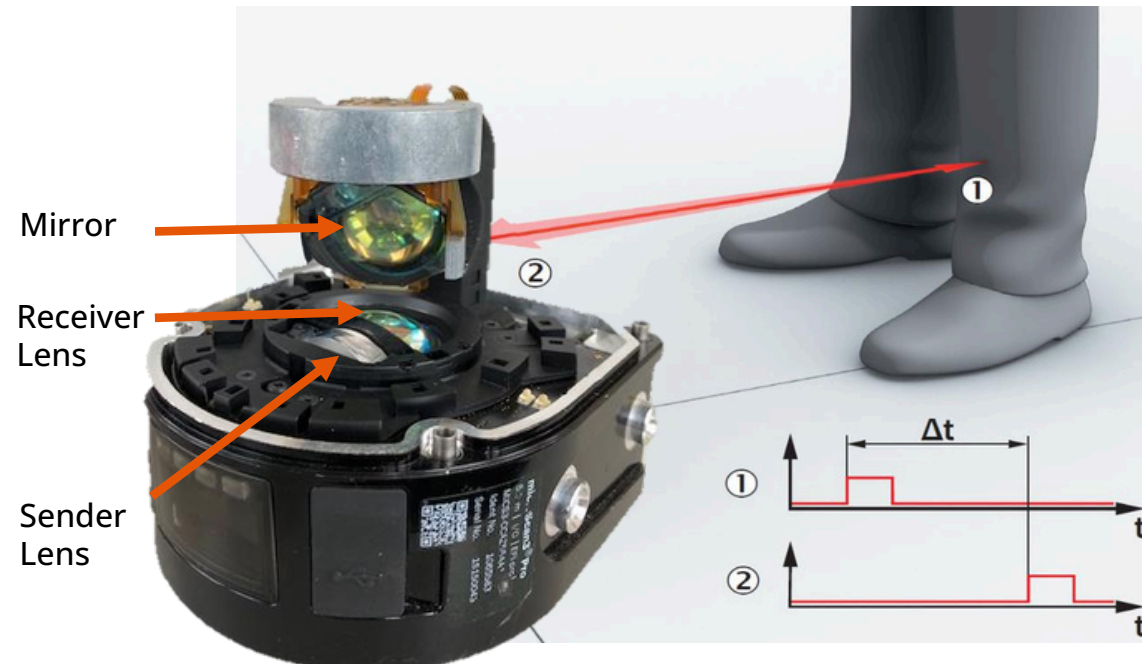


How LIDAR's work ?

Technology is based on time of flight (TOF)

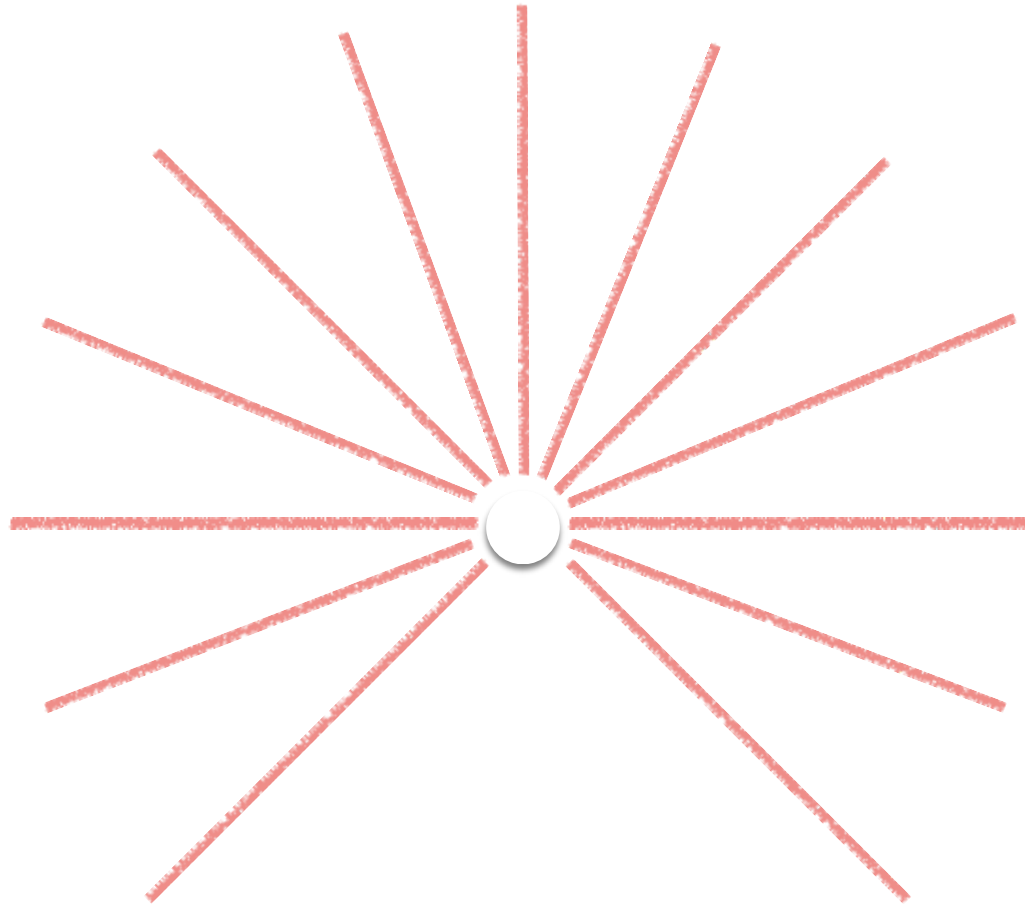
Product Overview – Safety Scanners

- **Light Detection And Ranging**
 - The “time of flight” measurement principle is used to determine the distance to an object on each measurement beam
 - It measures the time from the transmission to the reception of a light pulse; and uses this to calculate a distance

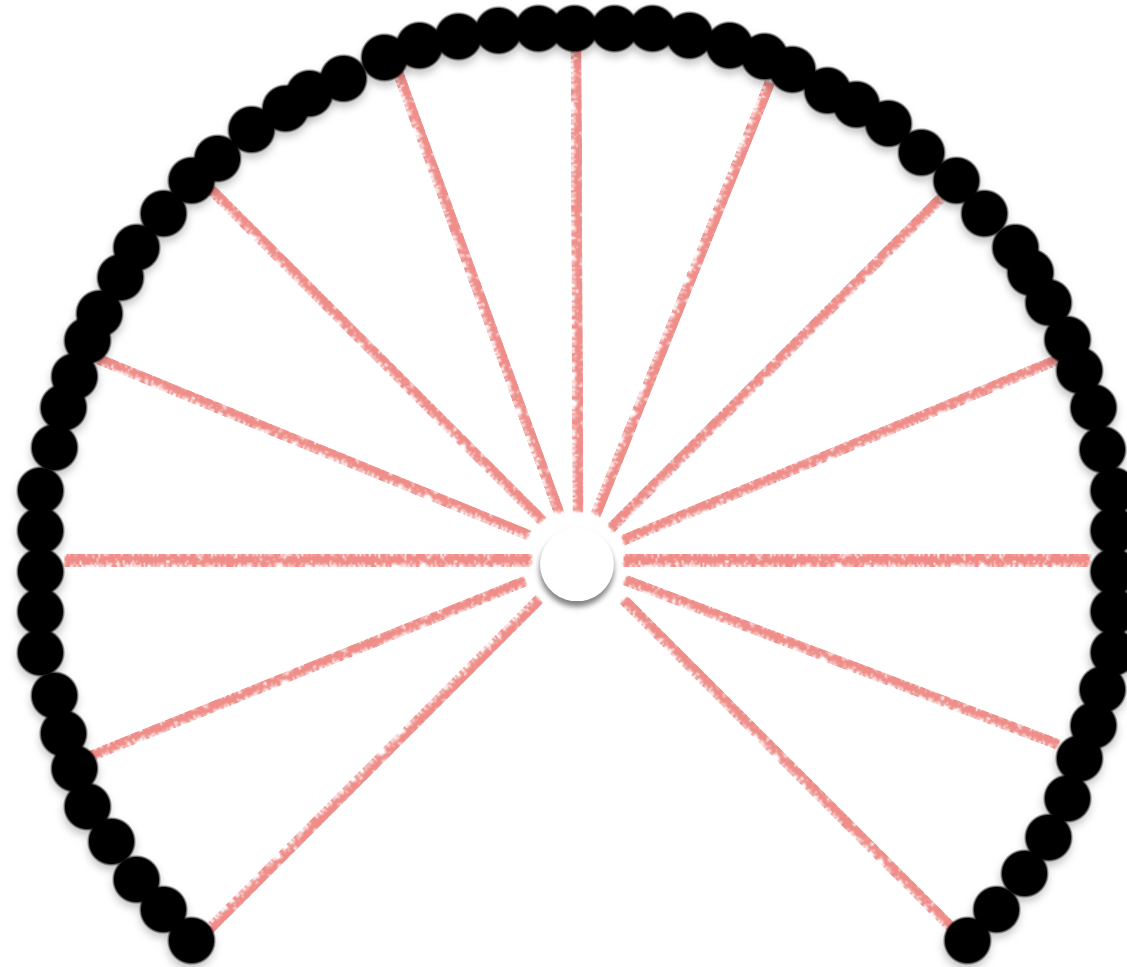


Traditional Safety Scanners

Onesinglelightpulseperangularincrement



Scanners with SAFE HDDM



Safe HDDM Benefits



Ambient light



Cross-Talk



Dust Particles

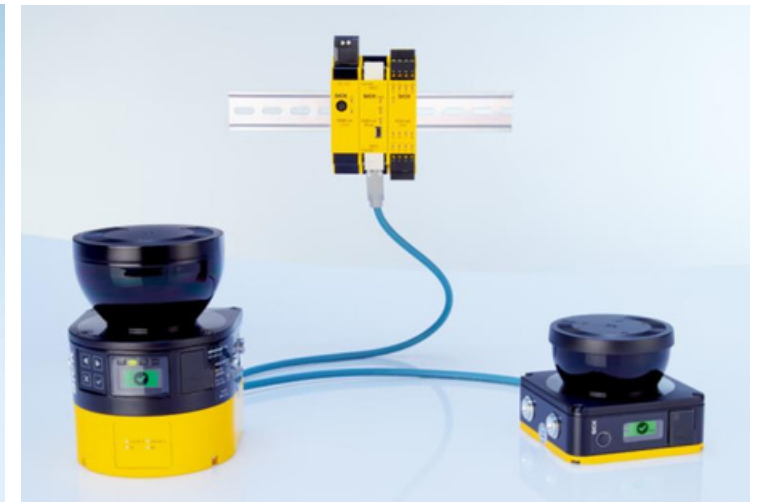
Reduce annoying false trips and down time Increase productivity!

Product Overview – Safety Scanners

- Versatile mounting and standardized M12 connections



- Quick device exchange
- Safe network integration that fit your needs



Product Overview – microScan3



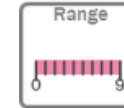
163 mm
height

Function:



- Core (8 fields, 4 sim. fields)
- Pro (128 fields, 8 sim. fields)
- PS Variants for better plane tolerances

Protective Range:



- Short Range (4 m)
- Medium Range (5.5 m)
- Long Range (9 m)

Integration:

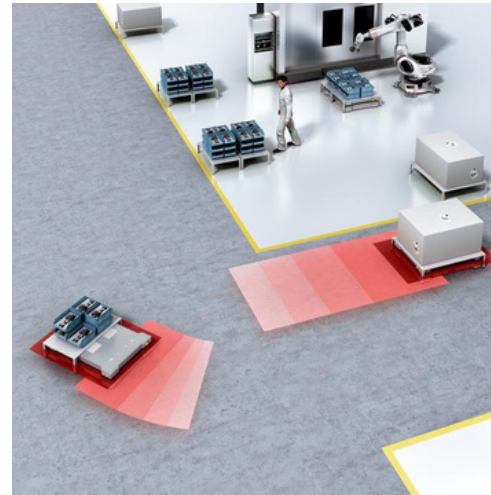


- I/O
- EFI-pro
- I/O + EFI-Pro (Pro Only)
- EtherNet/IP™ CIP Safety™
- PROFINET PROFIsafe
- EtherCAT® FSoE

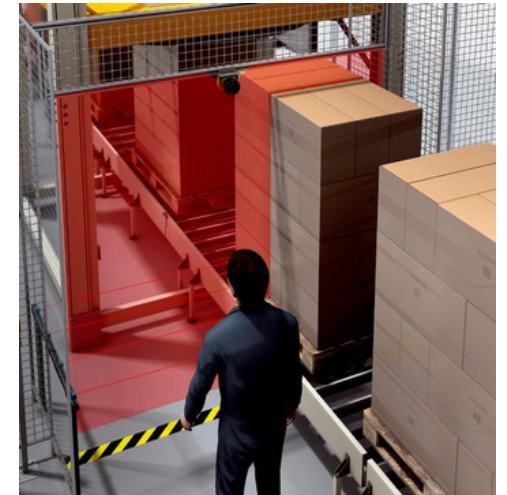
Horizontal area monitoring
for stationary applications



Horizontal area monitoring
for mobile platforms



Vertical access protection



Product Overview – nanoScan3



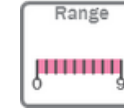
80 mm
height

Function:



- Core (8 fields, 4 sim. fields)
- Pro (128 fields, 8 sim. fields)

Protective Range:

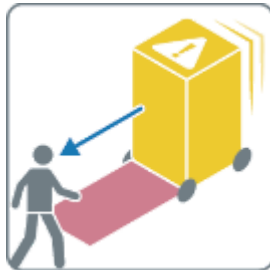


- 3 meter

Integration:



- I/O
- EFI-pro
- I/O + EFI-Pro (Pro Only)
- EtherNet/IP™ CIP Safety™



Great for mobile
platforms:
Horizontal hazardous
area protection for
mobile applications.

AGCs

(contour based)



AGCs

(tape guided)



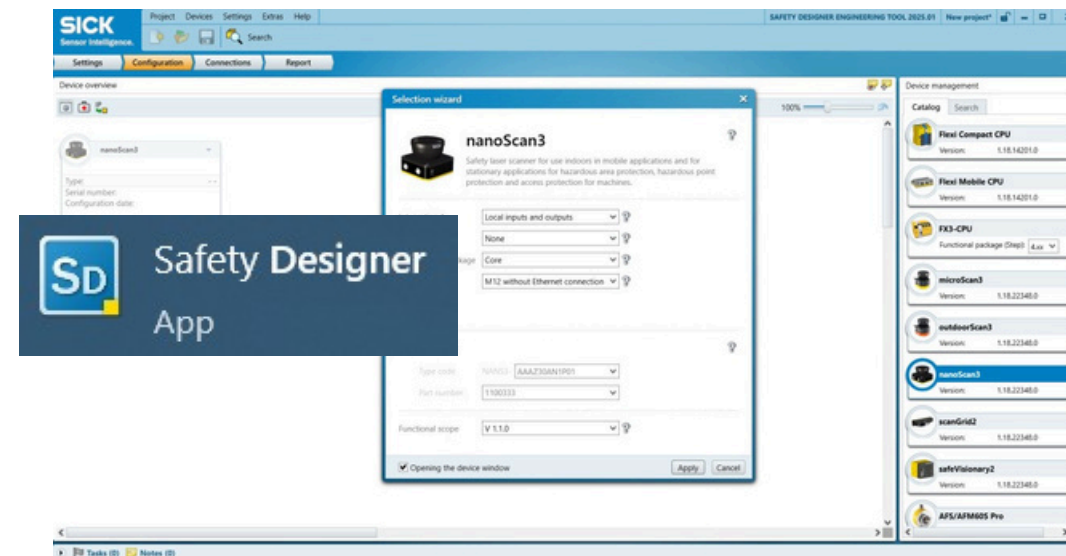
AGVs



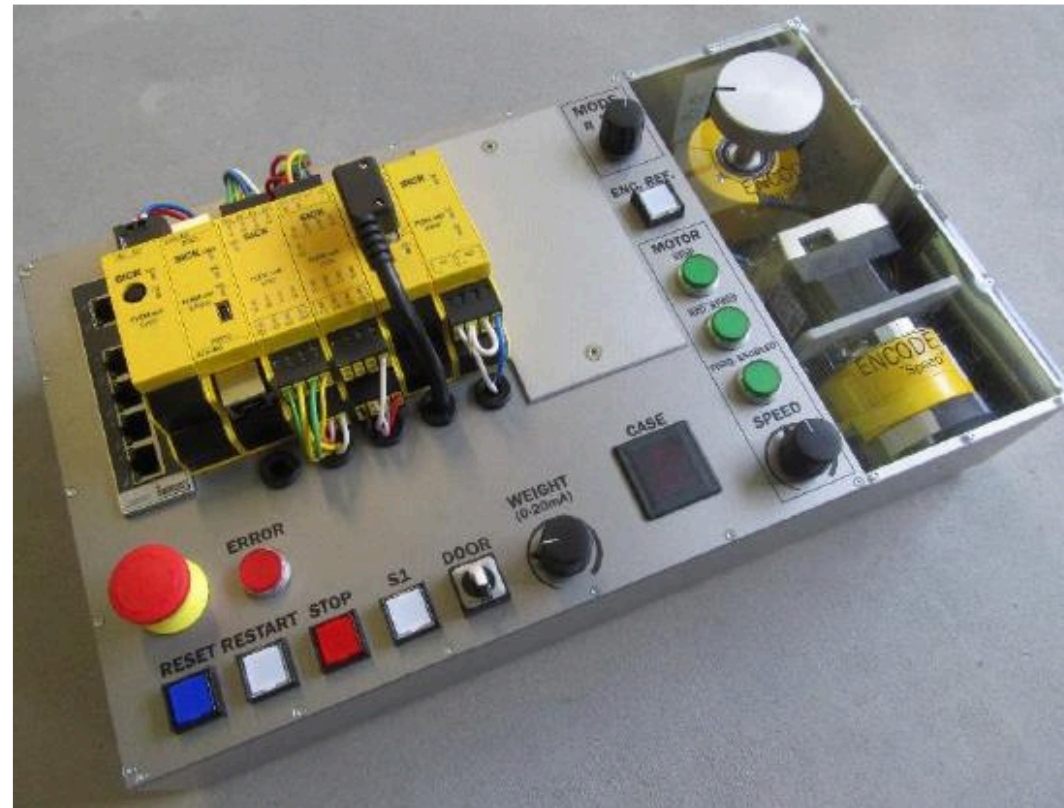
Mobile Robots

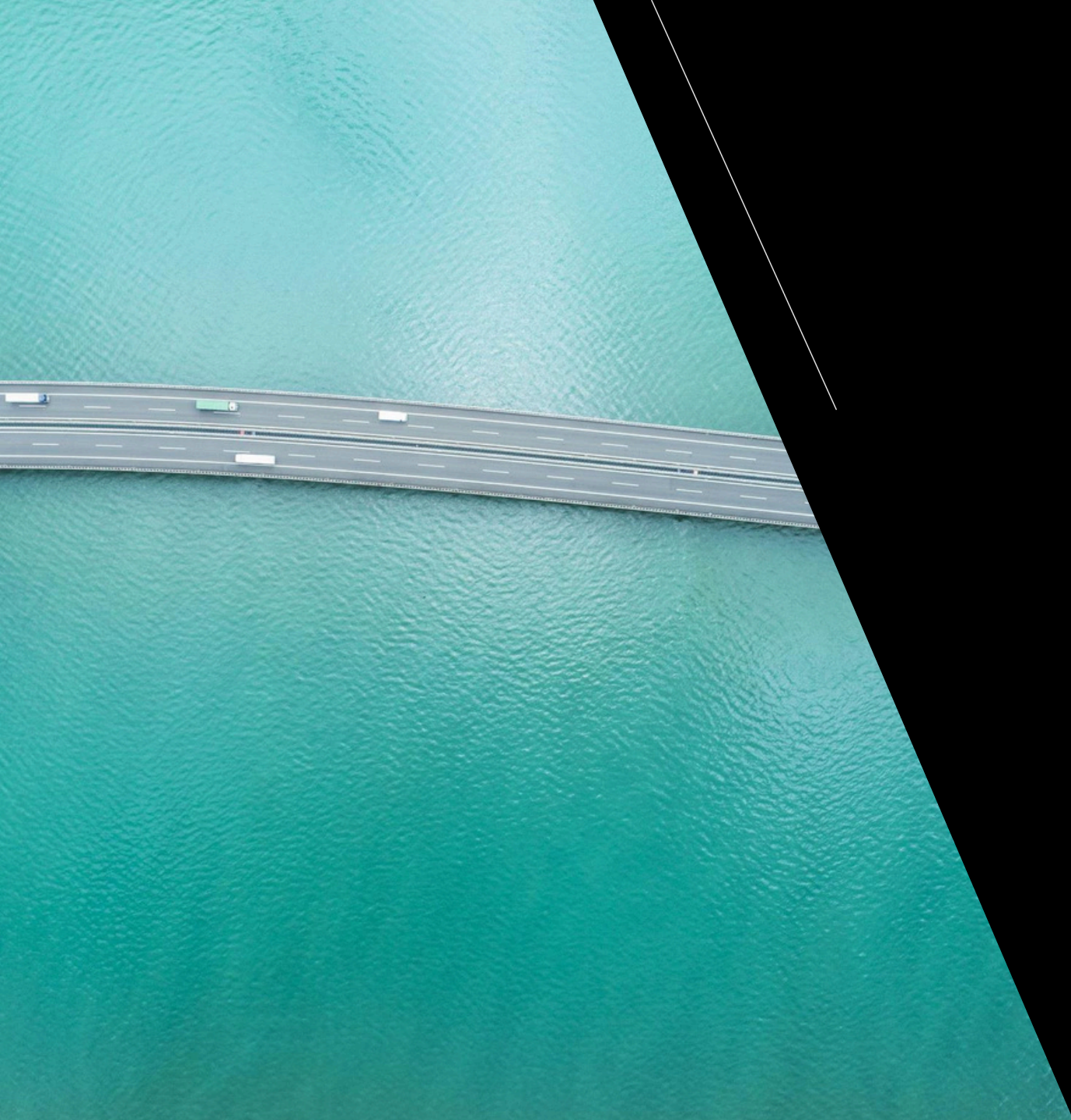


Configuration w/ Safety Designer (switch to laptop for configuration demo)



SICK EFI Pro System Demo





THANK YOU