COMPANY PROFILE & SOLUTIONS
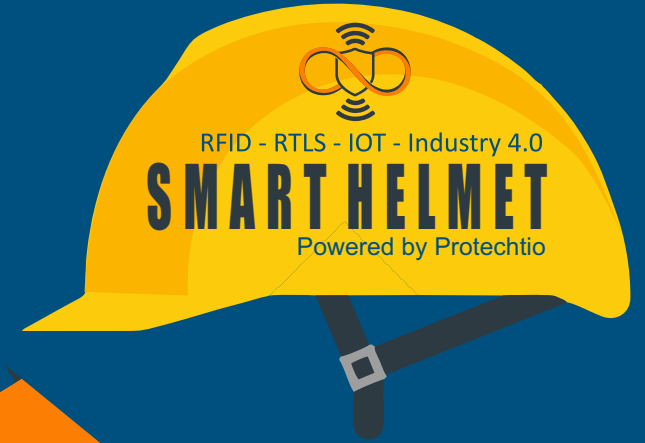
HEALTH AND SAFETY 4.0

RFID - RTLS - IOT

RECOGNITION SYSTEMS

DEEP LEARNING

ARTIFICIAL INTELLIGENCE

RFID - RTLS - IOT - Industry 4.0
SMART HELMET
Powered by Protechtio

PROTECHTIO™
INTELLIGENT TRACKING SYSTEMS

PERSONNEL TRACKING | PRODUCTIVITY | HEALTH AND SAFETY

w w w . p r o t e c h t i o . c o m

RFID | RTLS | IOT | HSE 4.0 | INDUSTRY 4.0

PROTECHTIO
INTELLIGENT TRACKING SYSTEMS

At Protechtio IOT Technologies, we develop unique software and integrated equipment to help businesses build efficient, sustainable health and safety management systems, increase productivity, reduce costs and track inventory in real-time.

Founded in the United Kingdom in 2018, the Protechtio team lead by Abdullah Alp Aslan and Kenan Cigdem combine 16 years of industry and management experience, to build and deliver innovational solutions to corporations across 3 continents.

Protechtio specialise in RFID and UWB wireless technologies to deliver Real-Time Location Systems.
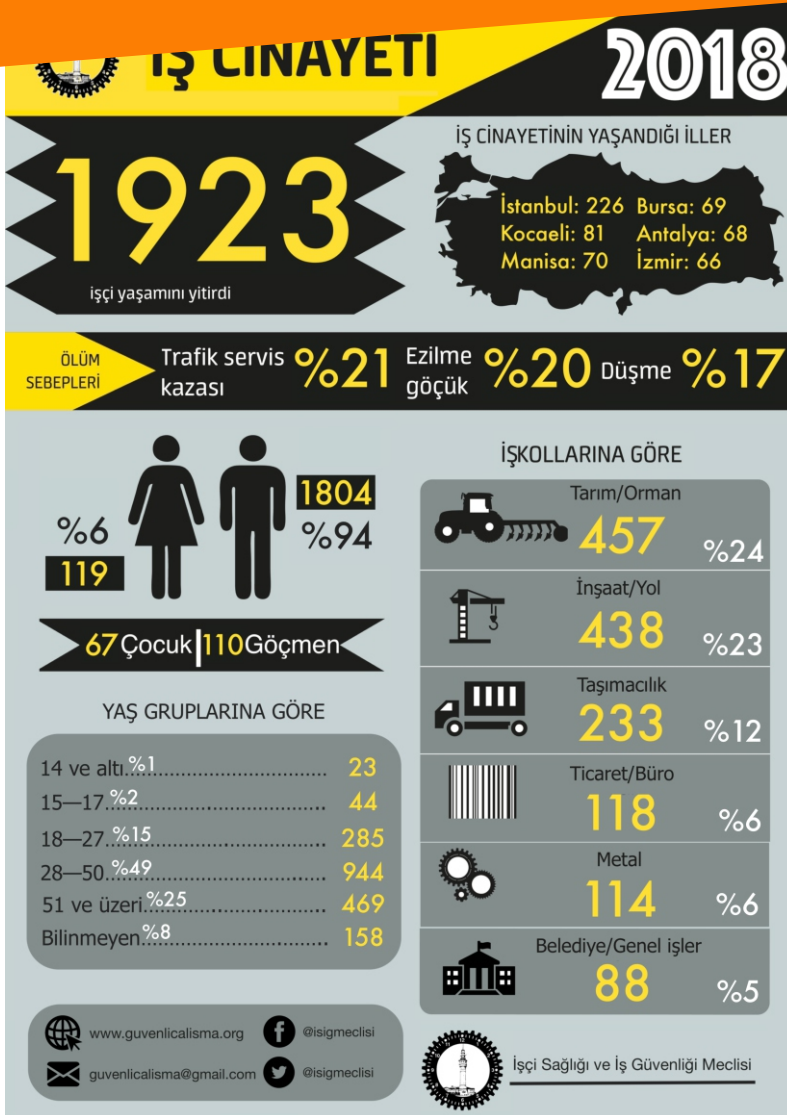
Health and Safety in Numbers in the United Kingdom 2017/2018

PROTECHTIO
INTELLIGENT TRACKING SYSTEMS

1·4 million
Work-related ill health cases (new or long-standing) in 2017/18
Source: Estimates based on self-reports from the Labour Force Survey, people who worked in the last 12 months

0·6 million
Work-related stress, depression or anxiety cases (new or long-standing) in 2017/18
Source: Estimates based on self-reports from the Labour Force Survey, people who worked in the last 12 months

0·5 million
Work-related musculoskeletal disorder cases (new or long-standing) in 2017/18
Source: Estimates based on self-reports from the Labour Force Survey, people who worked in the last 12 months

9·7 billion
Annual costs of new cases of work-related ill health in 2016/17, excluding long latency illness such as cancer
Source: Estimates based on HSE Costs to Britain Model

0·6 million
Non-fatal injuries to workers in 2017/18
Source: Estimates based on self-reports from the Labour Force Survey

71,062
Non-fatal injuries to employees reported by employers in 2017/18
Source: RIDDOR

144
Fatal injuries to workers in 2017/18
Source: RIDDOR

5·2 billion
Annual costs of workplace injury in 2016/17
Source: Estimates based on HSE Costs to Britain Model

30·7 million
Working days lost due to work-related ill health and non-fatal workplace injuries in 2017/18
Source: Estimates based on self-reports from the Labour Force Survey

12,000
Lung disease deaths each year estimated to be linked to past exposures at work
Source: Counts from death certificates and estimates from epidemiological information

2,595
Mesothelioma deaths in 2016, with a similar number of lung cancer deaths linked to past exposures to asbestos
Source: Counts from death certificates and estimates from epidemiological information

15·0 billion
Annual costs of work-related injury and new cases of ill health in 2016/17, excluding long latency illness such as cancer
Source: Estimates based on HSE Costs to Britain Model

http://www.hse.gov.uk/statistics/overall/hssh1718.pdf

İŞ CİNAYETİ 2018

1923
işçi yaşamını yitirdi

İŞ CİNAYETİNİN YAŞANDIĞI İLLER

İstanbul: 226   Bursa: 69
Kocaeli: 81   Antalya: 68
Manisa: 70   İzmir: 66

ÖLÜM SEBEPLERİ   Trafik servis kazası %21   Ezilme göçük %20   Düşme %17

%6   119
%94 1804

67 Çocuk | 110 Göçmen

YAŞ GRUPLARINA GÖRE

14 ve altı %1 23
15—17 %2 44
18—27 %15 285
28—50 %49 944
51 ve üzeri %25 469
Bilinmeyen %8 158

İŞKOLLARINA GÖRE

Tarım/Orman 457 %24
İnşaat/Yol 438 %23
Taşımacılık 233 %12
Ticaret/Büro 118 %6
Metal 114 %6
Belediye/Genel işler 88 %5

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İşçi Sağlığı ve İş Güvenliği Meclisi

Currently in Turkey, where Protechtio has a large customer base, the number of fatalities and injuries in the workplace is significantly higher.

The statistics on the left, show recorded workplace fatalities ın 2018. **Within that short period of time 1923 persons were killed in workplace accidents as opposed to 144 in the United Kingdom. A difference of +1335%.** *In Turkey, 23% of workplace fatalities were in the construction sector.*

The use of frontier technology such as the smart helmet, integrated equipment and RTLS health & safety software developed by Protechtio can help to monitor the wherabouts and well-being of employees and can enable the employer to respond quickly in the event of an accident.

http://guvenlicalisma.org/19796-hangi-savasta-bu-kadar-arkadasimizi-kaybediyoruz-2018-yilinda-en-az-1923

Protechtio was born as a result of customer demand to resolve problems experienced by companies when tracking the safety, security and productivity of personnel on site and in the workplace.

Measuring and monitoring the efficiency of in-house systems and productivity of personnel, whilst helping prevent workplace accidents and ensuring a quick response in the event of an accident can ensure sustainable and effective growth for larger companies.

PERSONNEL TRACKING   PRODUCTIVITY   HEALTH AND SAFETY

RTLS SYSTEMS FOR THE INDUSTRY
Next generation Industrial IOT, RTLS, and wireless tracking RFID solutions.

Protechtio RTLS keep's track of personnel location's in real-time and keep's an accessible record of movements for which date and time you require. This helps to support the safety of your workforce and enable's quick response in the event of an emergency.

Personnel productivity can be measured and analysed using the Protechtio RTLS reporting software.

Some of the frontier technologies used and developed by Protechtio are shown below

RFID - RTLS - IOT **RECOGNITION SYSTEMS** **DEEP LEARNING** **ARTIFICIAL INTELLIGENCE**

WHAT IS PROTECHTIO ?

Real-time positioning (measured with RFID-RTLS-WIFI) is a high-tech solution that enables monitoring the productivity and occupational health & safety of personnel with a precise position (down to between 60cm-1 mt).

WHAT IS PROTECHTIO ?

Real Time Location Systems

SOLUTIONS
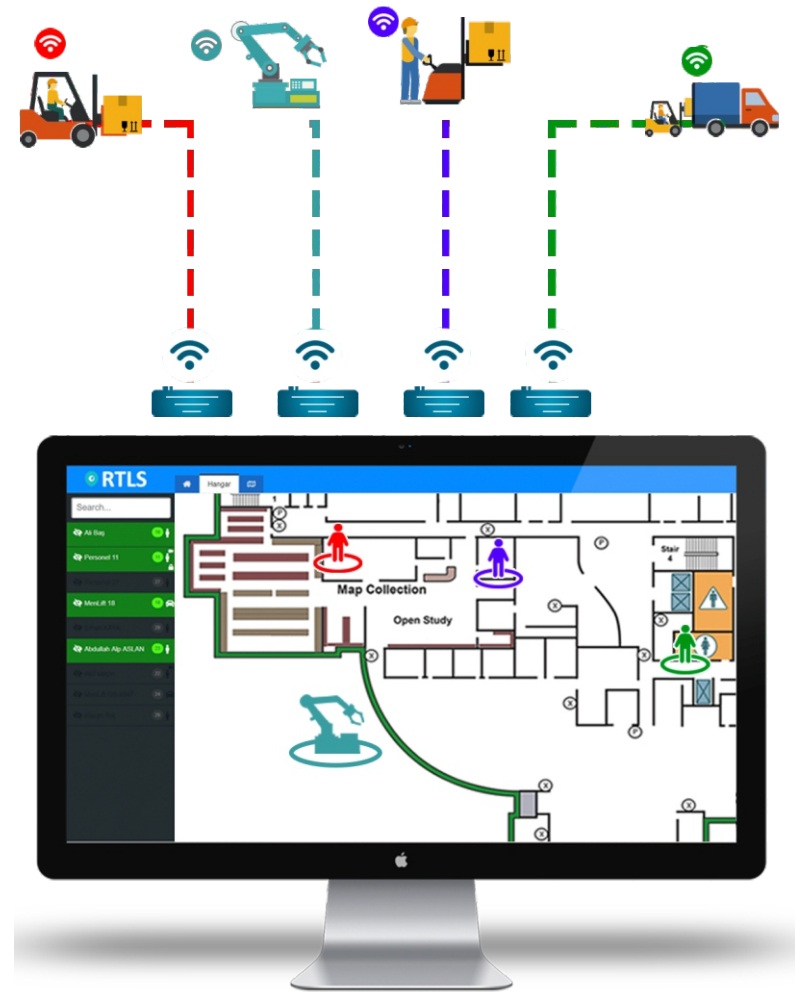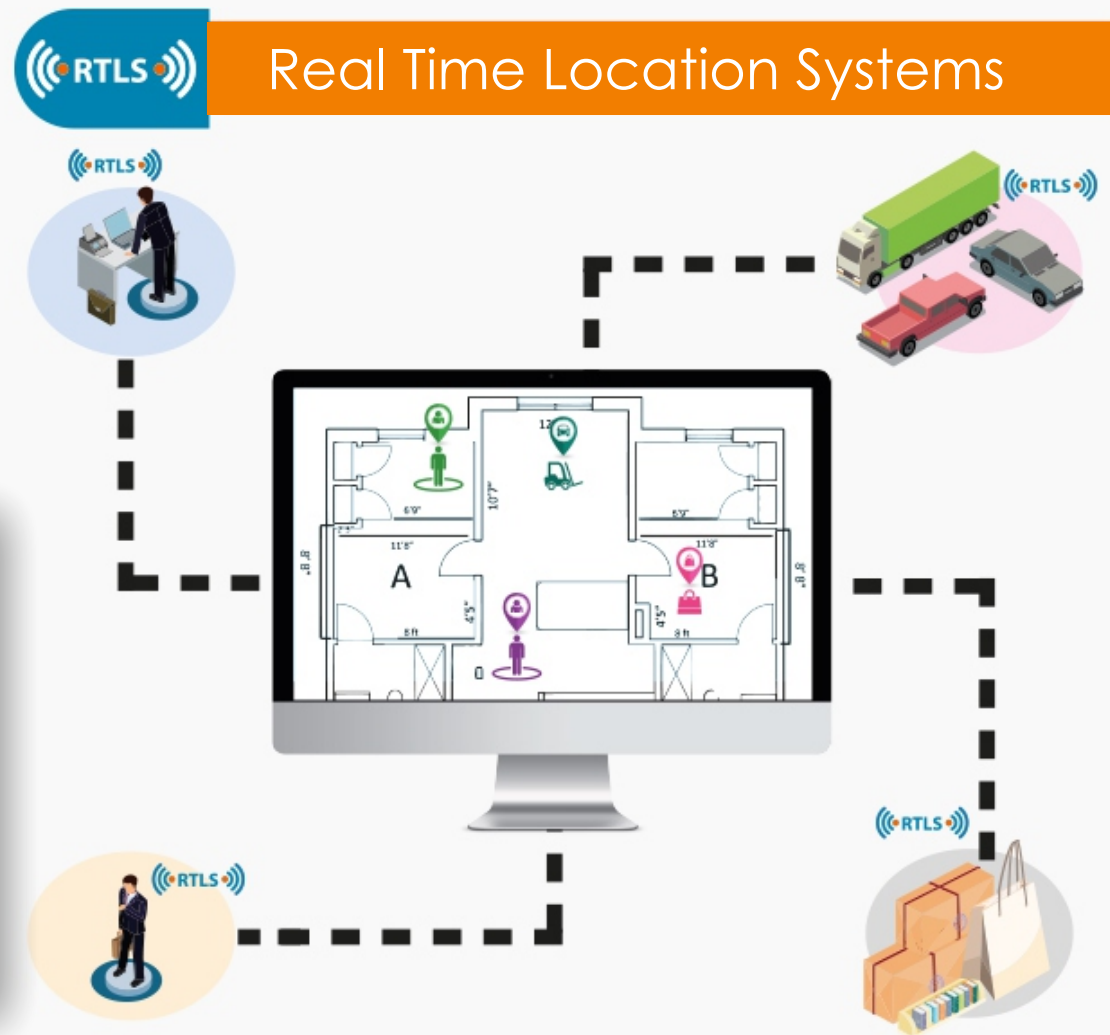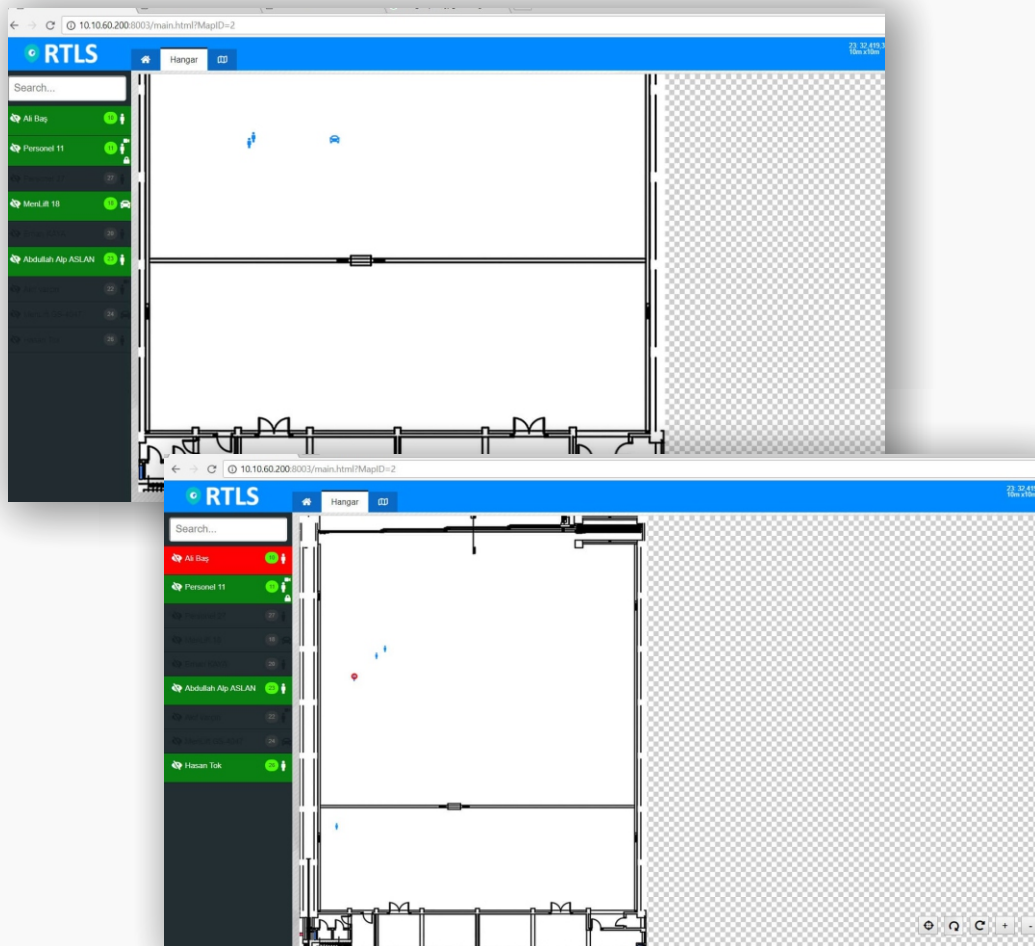
PROTECHTIO
INTELLIGENT TRACKING SYSTEMS

THE PROTECHTIO SMART HELMET

Protechtio SMART HELMET with integrated intelligent devices and our unique smart helmet is capable of managing the safety, monitoring the productivity and ensuring a positive sustainable growth in a large number of sectors.

These include construction, petro-chemical sites, logistics, mining, heavy industry, defense industry, military facilities, energy, maritime, aviation, and cement to name a few.

Facial Recognition

WIFI

4G LTE

Full HD Camera

Bluetooth 4.0

Real Time Location
System Sensor

Fall Sensor

Vehicle Collision
Prevention Sensor

Chemical Gas Detection
Sensors

Breathalyser

Helmet Control Sensor

Pulse Sensor

RFID Active Tag

Solar Panel

PROTECHTIO
INTELLIGENT TRACKING SYSTEMS

In all sectors it is vital to monitor whether personnel are wearing the required and correct PPE (Personal Protective Equipment). Protechtio RTLS integrated systems can monitor whether a member of staff is not wearing any particular form of PPE.

RECOGNITION SYSTEMS
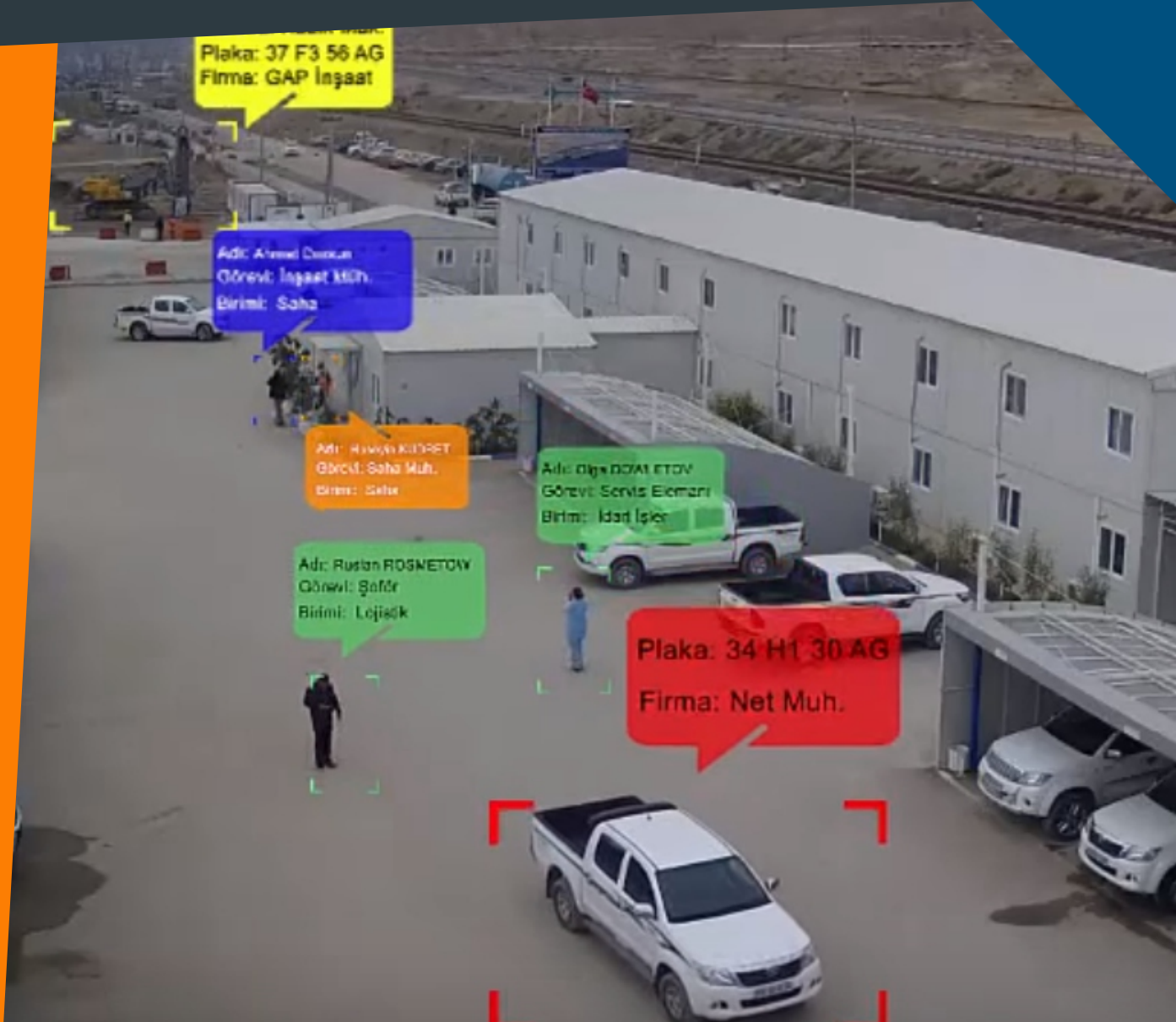
RFID TECHNOLOGY
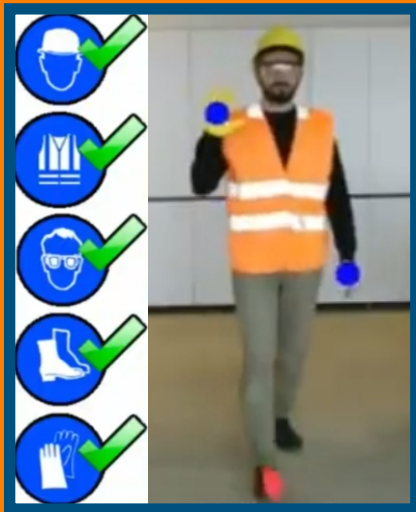
RFID **EQUIPMENT TRACKING**

PROTECHTIO
INTELLIGENT TRACKING SYSTEMS

RECOGNITION SYSTEMS

We have also integrated our Real-Time location systems and devices with our personnel & vehicle recognition software.

We are able to visiually identify through CCTV systems on site, the persons and vehicles shown.

ARTIFICIAL INTELLIGENCE - AI

Protechtio RTLS systems which use AI to identify personnel, monitor productivity and analyse risks will be at the forefront of Health & Safety management in dangerous places of work.

OUR TARGET SECTORS

PROTECHTIO
INTELLIGENT TRACKING SYSTEMS

CONSTRUCTION

PETROCHEMICALS

LOGISTICS

MINING

HEAVY INDUSTRY

ENERGY

HOSPITAL & HEALTH

MILITARY

PRODUCTION

MILITARY FACILITIES

CEMENT

AVIATION

SHIPYARD

SHIPPING

AIRPORT

PROTECHTIO
INTELLIGENT TRACKING SYSTEMS

PROJECTS PREPARED WITH QUOTES DELIVERED

We have presented proposals to 16 of Turkey's top 500 companies. These include the following:

QUOTES TOTALLING £2.45M

PROTECHTIO
INTELLIGENT TRACKING SYSTEMS

CURRENT CUSTOMERS

Contracted Customers

TURKISH·CARPETS
HANDMADE RUGS

RÖNESANS HOLDİNG

DURAN DOĞAN
BASIM VE AMBALAJ SANAYİ A.Ş.

PROTECHTIO
INTELLIGENT TRACKING SYSTEMS

THANK YOU!

PROTECHTIO IOT TECHNOLOGIES LTD.

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RFID | RTLS | IOT | HSE 4.0 | INDUSTRY 4.0