



# SECURING WIND PARK CONSTRUCTION

## Case Study

Security provider before G4S completely failed to secure location due to several reasons: no security risk management, bad security set-up, disrespect of the agreed procedures, unable to demonstrate active presence, unlicensed officers very often not being paid timely and on number of occasions initiators of criminal acts themselves.

## Setting a new standard for wind park security

### CHALLENGES

- Preventing cable and fuel thefts from 57 unassembled wind turbines, spread across 40 square kilometers, causing not only financial loss but also huge project delays.

### SOLUTIONS

- An integrated security solution to deliver functional security of wind turbines waiting for assembly
- Solution design based on security risk management approach and adequate man-tech combination
- Implementation of unique wireless intrusion detection IoT solution based on LoRaWan network, combined with perimeter video-alarm system, Mobile Patrol & Response; Manned security (G4S LogIn enabled) and 24/7 alarm monitoring with video verification

### RESULTS

- G4S managed to put entire perimeter security under control in very first month of providing security services
- The right combination of manpower and technology delivered tangible results - total cost of security was decreased whilst efficiency of security was increased
- G4S presence brought deterrent effect, preventing any further attempts to steal or damage protected assets
- G4S contributed to not only site security but also site safety - our patrol crew was timely resolving various security issues

## Thorough screening of work flow as a solid basis for integrated security success

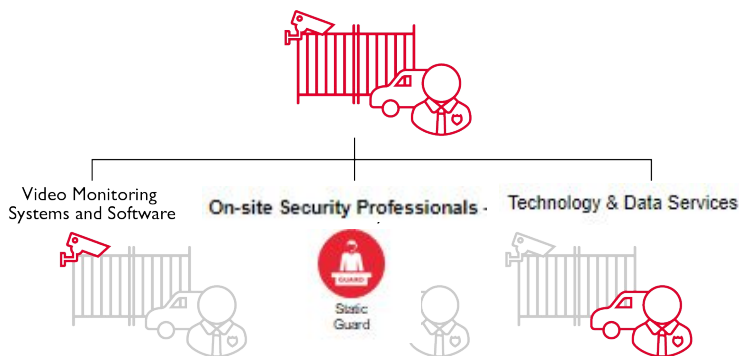
A G4S site survey and assessment of work flow, daily routines and other “business as usual” elements exposed all the weaknesses. Such an in-depth analysis must be done in cycles, as to apply the Plan-Do-Check-Act principles. Designing a security plan is essential, but more important in this case was the design of life safety plan, followed by the implementation of hardware, software and manpower.



## G4S Integrated Security efficiently combines process, people, technology and data

**G4S Integrated Security** is always tailor-made. It is our combination of expertise, security professionals, technology and data analytics, to manage risks and create value for our customers.

We design your security plan by leveraging the most opportune services and products from the 25 security service categories that make up our Integrated Security model.



## The ingredients of the Man-tech concept

To give you an idea of our approach, we summarise here the smart and future-proof security plan worked out and implemented at a customer tire production site:

- Instead of deploying traditional guards/guns/gates concept, we made security risk analysis in order to register risks, threat actors and threat impact as starting point for designing of adequate security solution.
- We managed to achieve cost effectiveness by partial substitution of manned security at the Campus where we deployed perimeter video-alarm system connected to G4S ARC during nighttime:
- We deployed Mobile Patrol & Response team with 4x4 vehicle and equipped with G4S LogIn for real time reporting to customer
- We installed innovative perimeter intrusion detection wireless sensors and built our independent Long Range Wireless Network for monitoring of inputs coming from installed sensors (access control, intrusion detection, ambient temperature increase).

“ Any theft or damage of our wind turbine components has much greater impact than simple cost of replacement/repair - due to complexity of those components, cost of project being delayed by far brings more headache and creates business disruption - and that is where G4S contributed mostly by being our business enabler”