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# Deloitte.



## Drone Solutions in Industry 4.0

How can drones improve businesses regarding security, inspection, safety and transportation?

Deloitte is your competent partner to implement your specific E2E solution in a holistic integrated approach focusing on your individual challenges and needs.

## Challenges



### Security

- High operational cost and complexity for ensuring site security on large areas
- Protection of site borders that are hardly accessible due to impassable terrain



### Inspection & Safety

- Growing inspection costs in terms of labor and potential asset downtime due to increasing frequency for mandatory and non mandatory inspection requirements
- Restrictive safety regulations for labor in highly automated shop floors and AGV zones or scenes of accidents with fire, hazardous substances or toxic gases



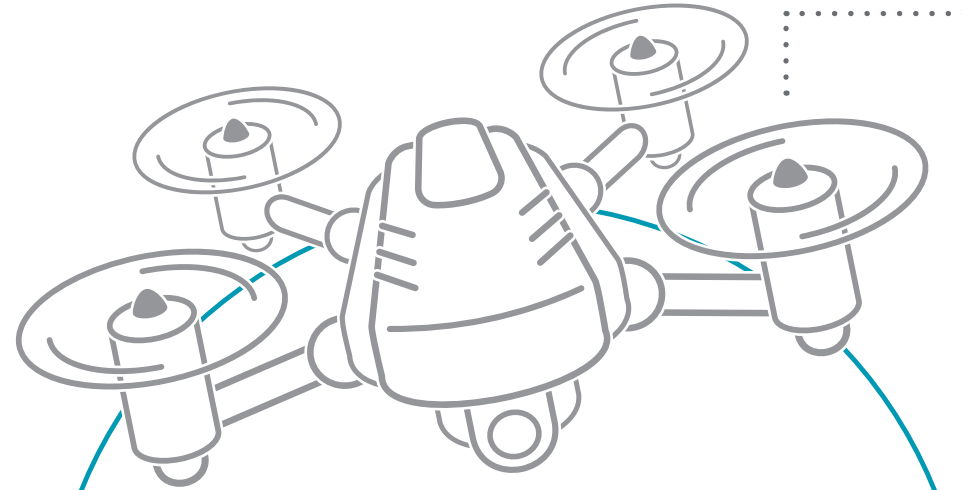
### Transportation/Logistics

- Flexibility and individualization of intralogistic delivery in large warehouses and sites
- Regulations for in and outbound logistic activities are getting more restrictive



### Legal framework

- Diverse aviation laws depending on country, technical drone characteristics, etc.
- Complex integration into internal business governance meeting GDPR, trade secret, IT security and safety requirements



## Why Deloitte?



Specialists with both business knowledge and transformation experience with focus on individual integrated End2End solutions



Partnership with a leading German engineered industry drone service provider that offers end-to-end drone solutions



Unique E2E combination of top hardware and software service, high technology and consulting professionalism

## Modular approach

## Drone solutions

### Integrated End2End solutions

Technology

Processes

People

Legal

IT

Drones



- **Automation** of certain processes to increase efficiency of used resources



- **Integration** of individual drone solution into existing IT and process landscapes



- **Scalability** of single use case to highly dynamic overall system for increased efficiency



- **Legal** compliance of drone solutions with national and corporate laws and regulations

1

### Use case exploration

Starting point to find fitting business cases to reduce risk and costs with highly automated drone support

2

### Proof of value

Using a specific and defined use case as pilot to build a proof of value where you can already benefit from

3

### Integration

Integrating individual drone solution into existing IT and process landscapes

4

### Operating model

Implementing running operating model and establishing continuous improvement process