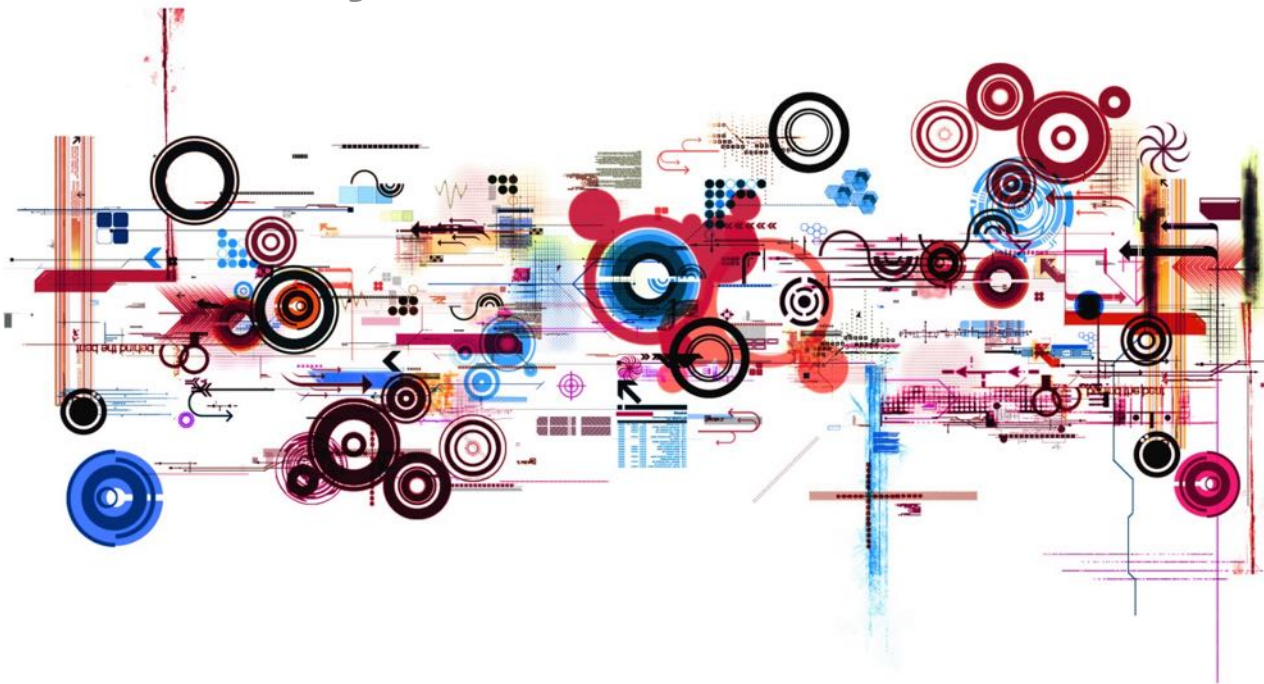


# Cybersicherheit im IoT

## Updatepflichten in Zeiten von WannaCry und Co.





## Ooops, your files have been encrypted!

English

### What Happened to My Computer?

Your important files are encrypted.

Many of your documents, photos, videos, databases and other files are no longer accessible because they have been encrypted. Maybe you are busy looking for a way to recover your files, but do not waste your time. Nobody can recover your files without our decryption service.

### Can I Recover My Files?

Sure. We guarantee that you can recover all your files safely and easily. But you have not so enough time.

You can decrypt some of your files for free. Try now by clicking <Decrypt>.

But if you want to decrypt all your files, you need to pay.

You only have 3 days to submit the payment. After that the price will be doubled.

Also, if you don't pay in 7 days, you won't be able to recover your files forever.

We will have free events for users who are so poor that they couldn't pay in 6 months.

### How Do I Pay?

Payment is accepted in Bitcoin only. For more information, click <About bitcoin>.

Please check the current price of Bitcoin and buy some bitcoins. For more information, click <How to buy bitcoins>.

And send the correct amount to the address specified in this window.

After your payment, click <Check Payment>. Best time to check: 9:00am - 11:00am

CMT from Mandant to Felder

**Payment will be raised on**

5/16/2017 00:47:55

Time Left

02:23:57:37

**Your files will be lost on**

5/20/2017 00:47:55

Time Left

06:23:57:37

[About bitcoin](#)

[How to buy bitcoins?](#)

[Contact Us](#)



**Send \$300 worth of bitcoin to this address:**

12t9YDPgwueZ9NyMgw519p7AA8isjr6SMw

Copy

Check Payment

Decrypt

Cybersicherheit im IoT



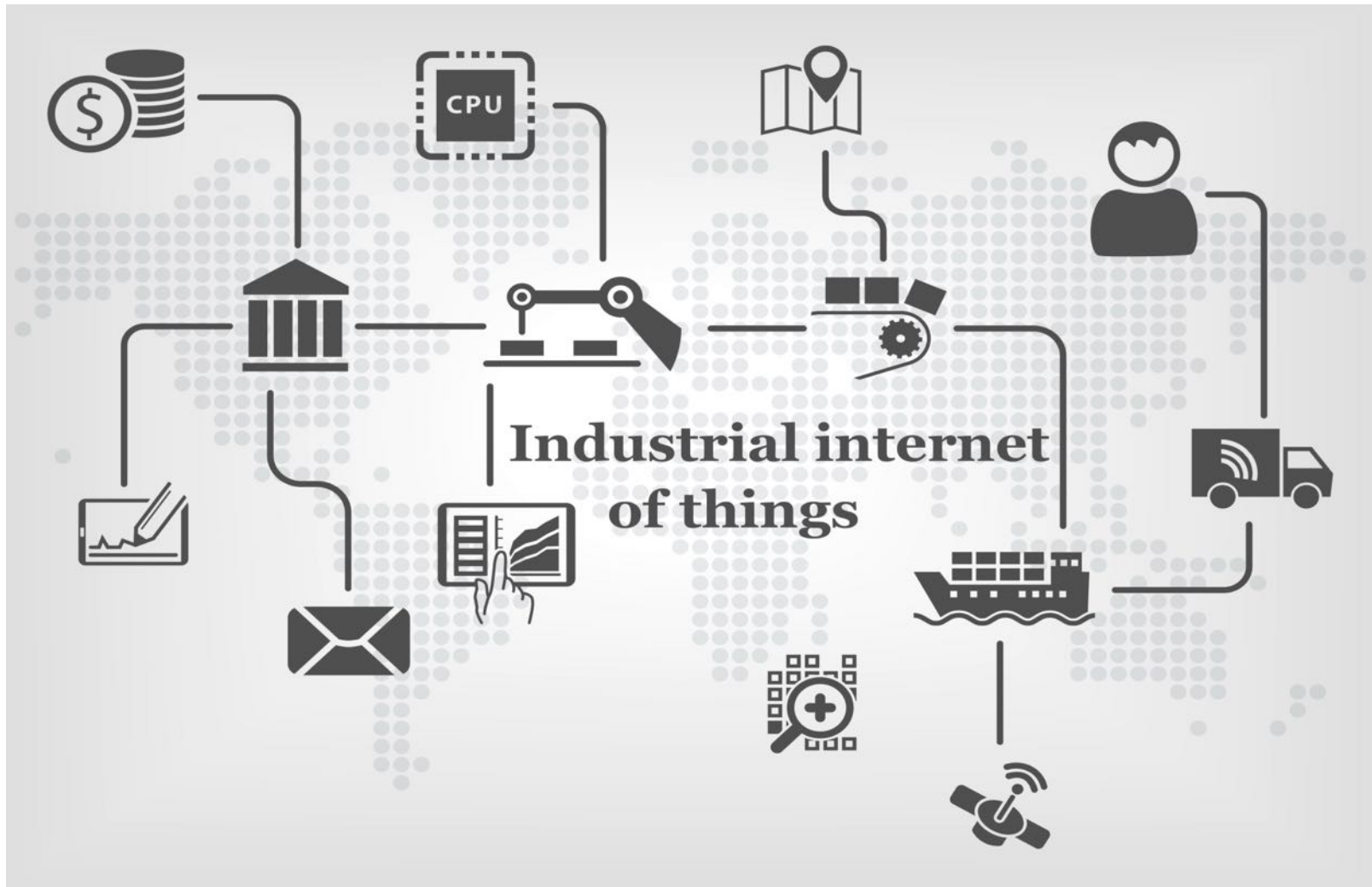
Referent: Johannes Groß,  
Rechtsanwalt, Frankfurt am Main

# Agenda

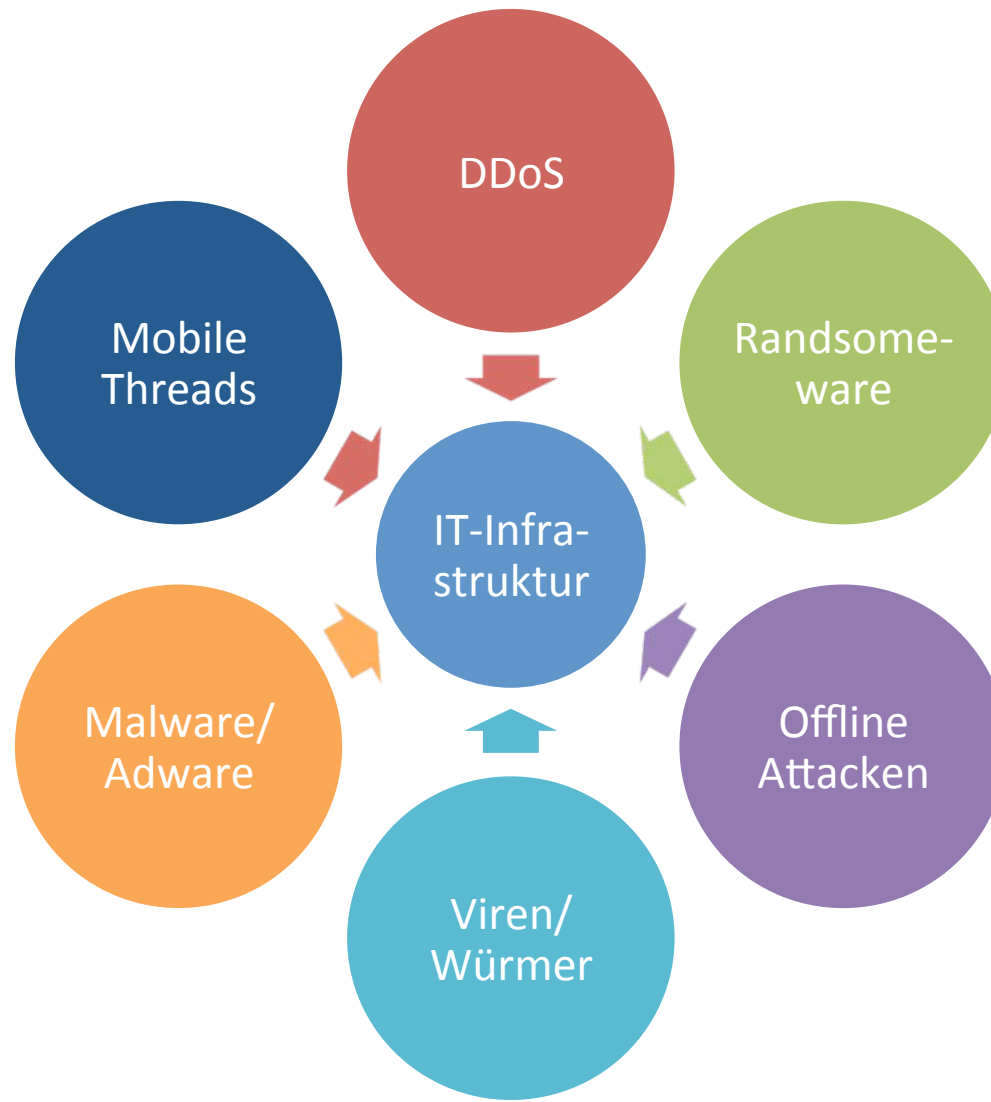
- Internet of Things im industriellen Umfeld
- Den richtigen Maßstab finden
- Grundsätze der Haftung
- Stand der Technik
- Updatepflicht
- Konsequenzen
- Fazit



# Internet of Things im industriellen Umfeld (1)



# Internet of Things im industriellen Umfeld (2)







## Den richtigen Maßstab finden (2)

- Teilweise konkrete Sicherheitsvorgaben
- In der Regel unbestimmte Rechtsbegriffe
  - Stand der Technik
  - Vertragliche Sorgfaltspflicht
  - Bestimmungsgemäßer Gebrauch
  - Sorgfalt eines ordentlichen Geschäftsmannes
  - Obliegenheiten
  - Erforderliche Maßnahmen

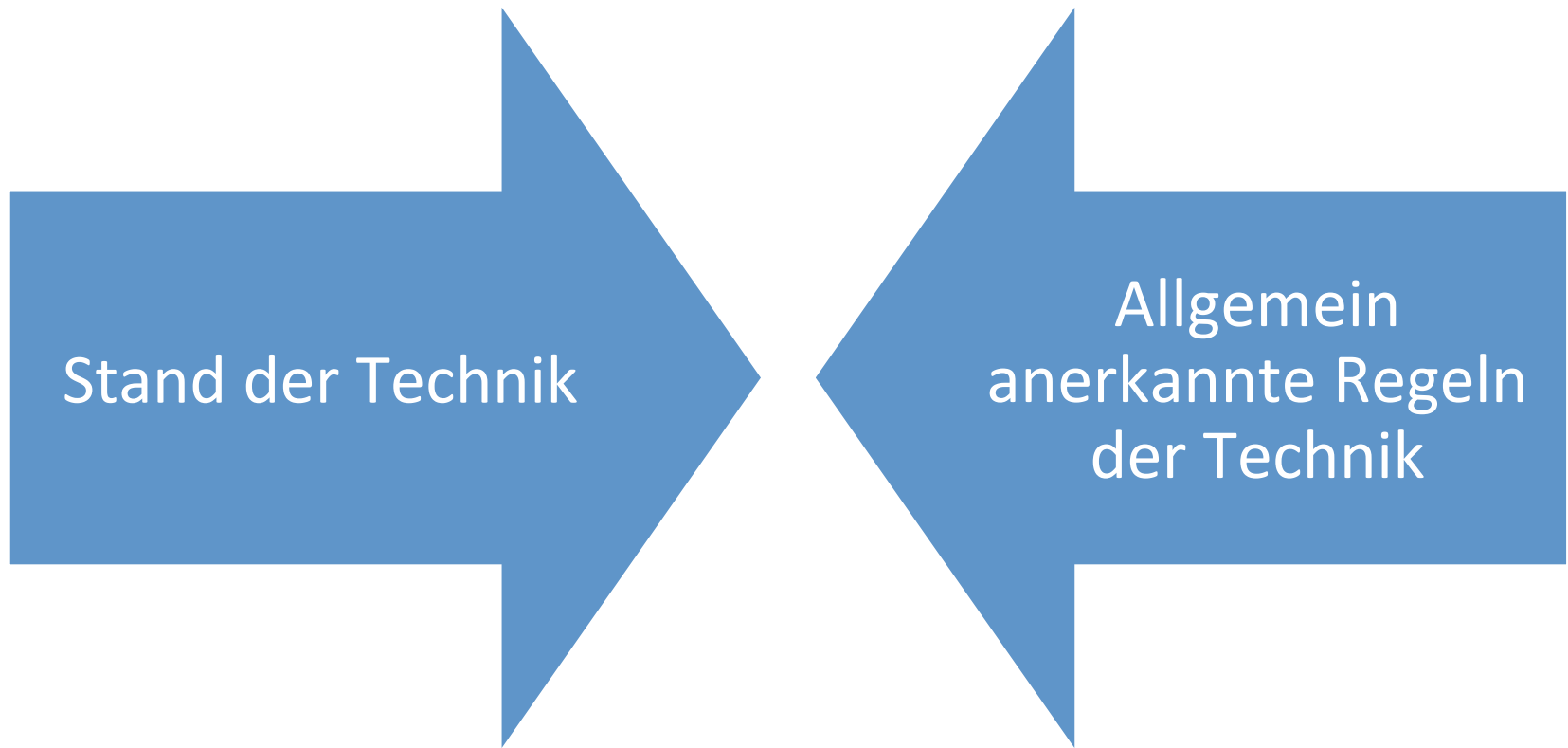


# Grundsätze der Haftung





# Stand der Technik

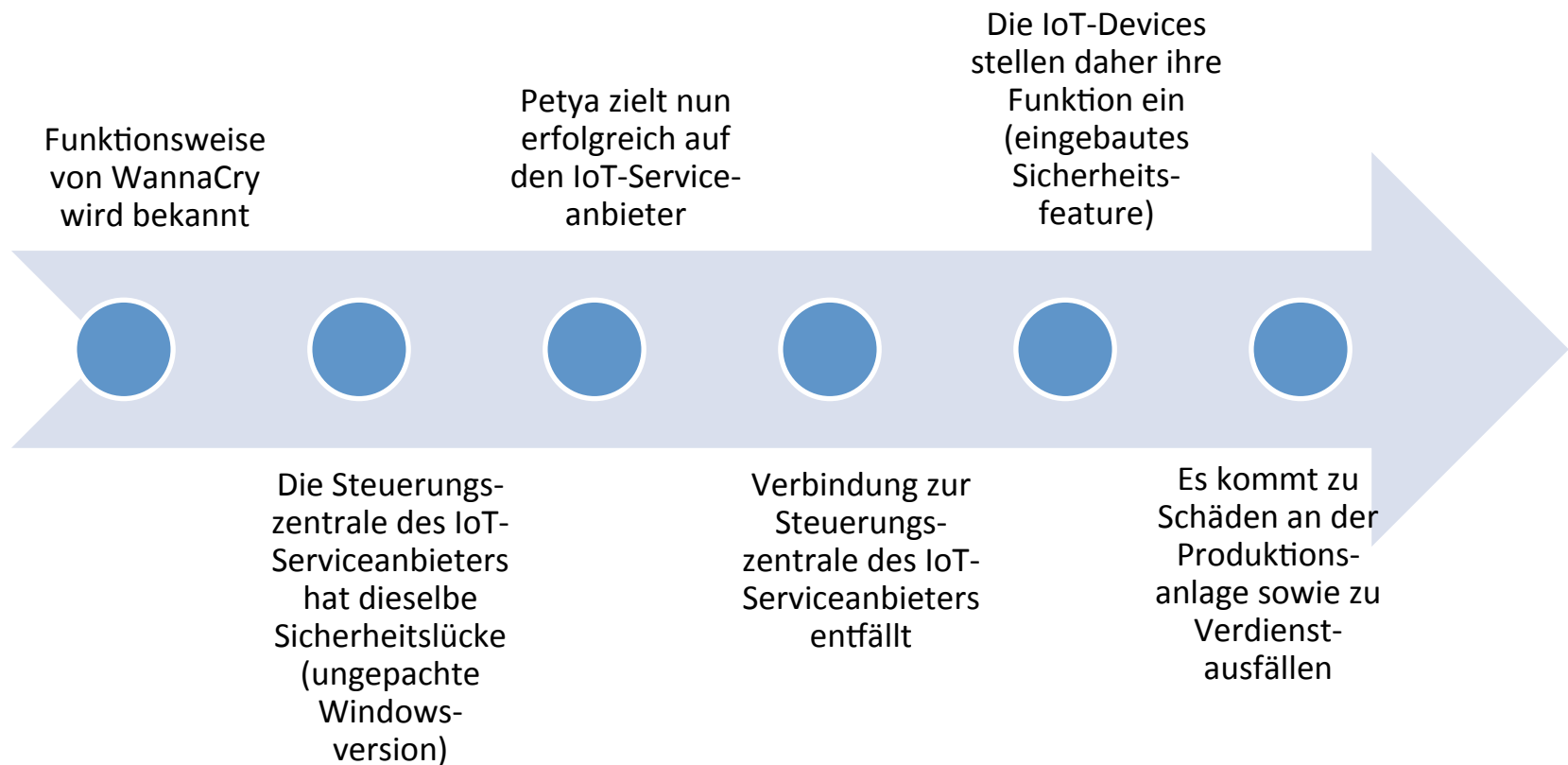


# Updatepflicht (1)



# Updatepflicht (2)

Am Beispiel einer Smart Factory (IoT-Mietmodell)



## Updatepflicht (3)

---

Investitionskosten

---

Verfügbarkeiten

---

Ausfallrisiko

---

Interoperabilität

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Daten-/Einstellungsverlust

---

Angemessene Zeit

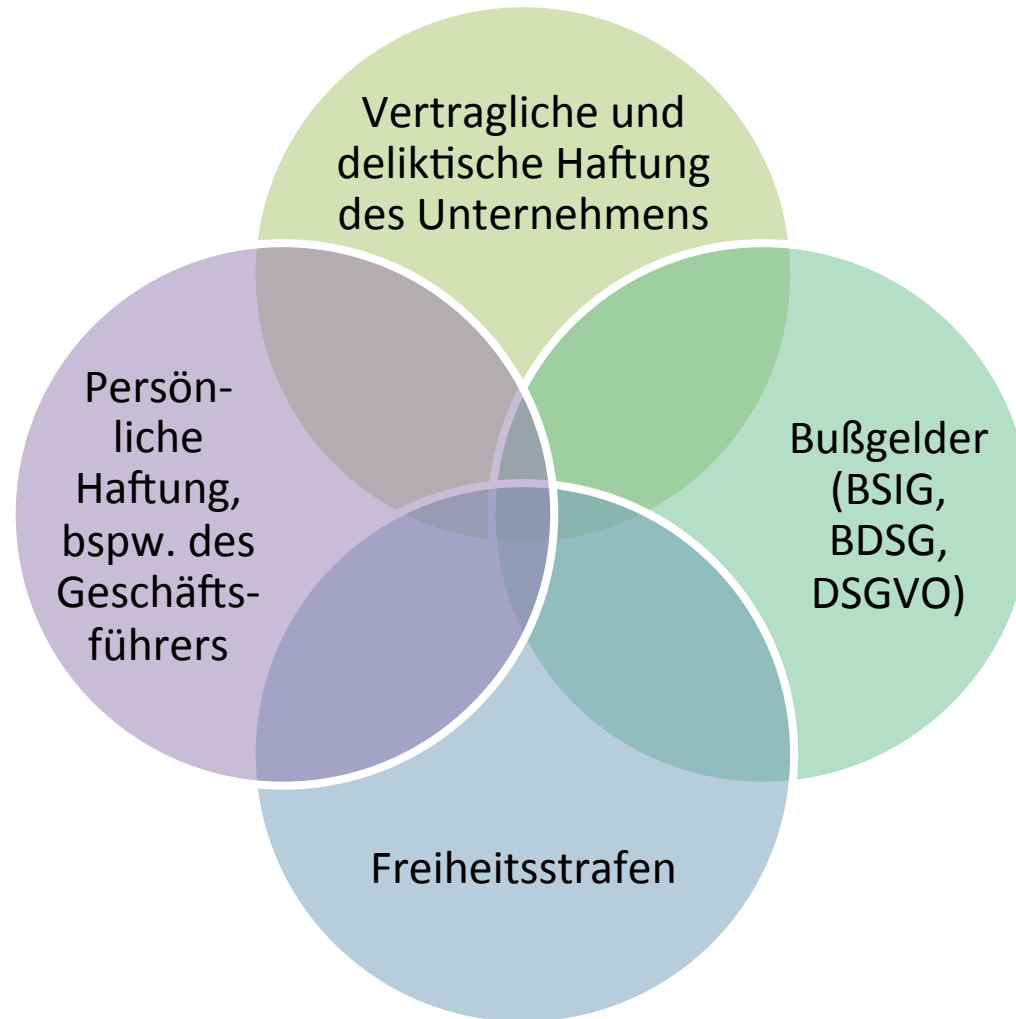
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Drittanbieter & Datenschutz





# Konsequenzen



# Fazit

1. Schwierigkeit:  
Richtige Norm  
finden!

2. Schwierigkeit:  
Richtigen Maßstab  
über Dauer  
anwenden!

3. Schwierigkeit:  
Richtige  
Anwendung  
dokumentieren!

4. Schwierigkeit:  
Strafen und  
Haftung  
vermeiden!



# Vielen Dank für Ihre Aufmerksamkeit!

Hogan  
Lovells

**Johannes Groß**

**Hogan Lovells International LLP**

**Infrastructure, Energy, Resources & Projects**

**Untermainanlage 1, 60329 Frankfurt am Main**

**[johannes.gross@hoganlovells.com](mailto:johannes.gross@hoganlovells.com)**

