Secure Vehicle Communication

The use of Privacy Enhancing Technologies for in-vehicle Telematics. Project SEVECOM

Antonio Kung (Trialog)

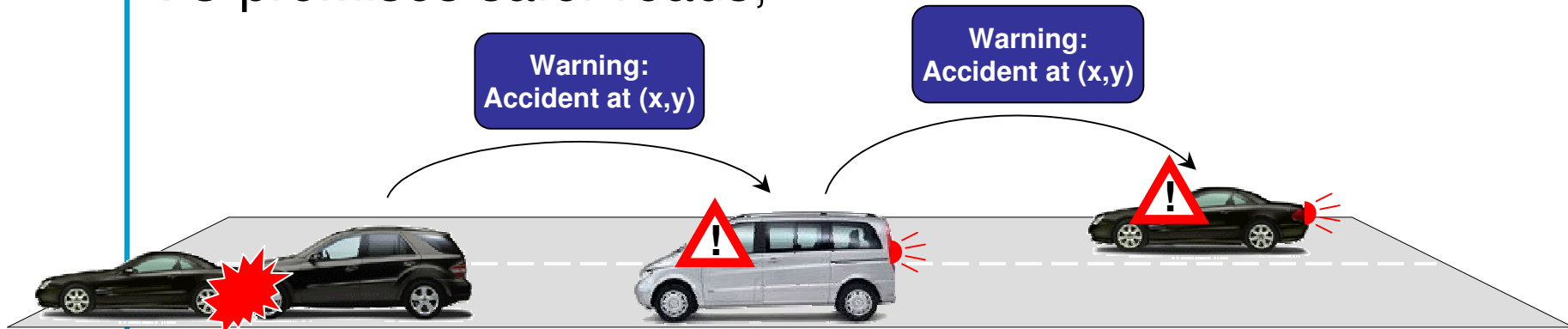Panos Papadimitratos (EFPL)

Outline

- Brief presentation of Sevecom
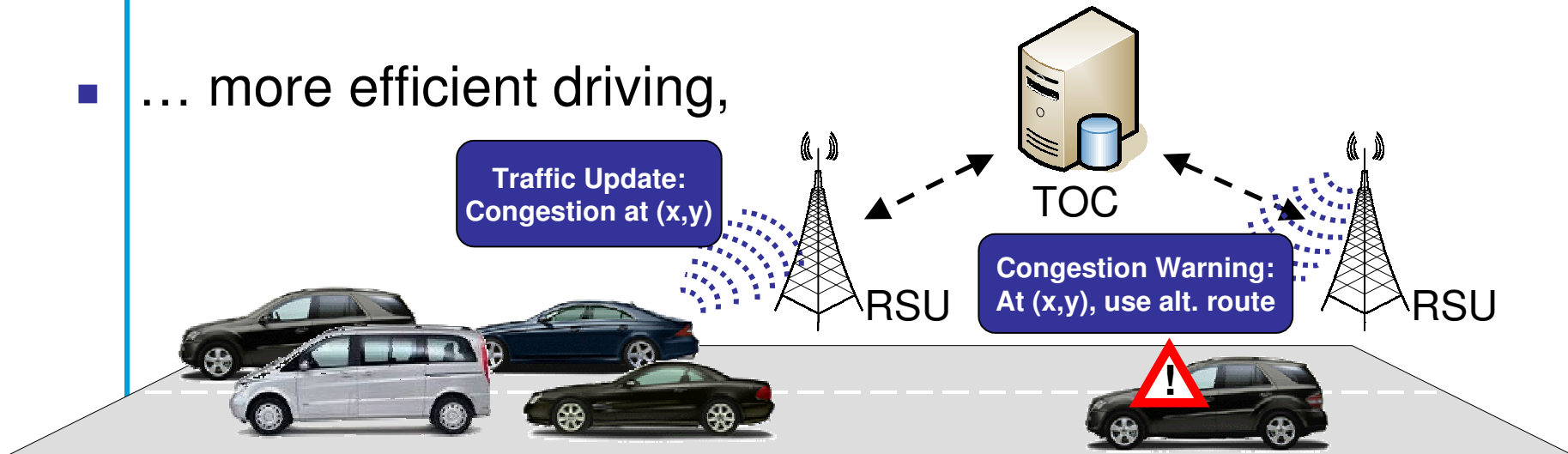
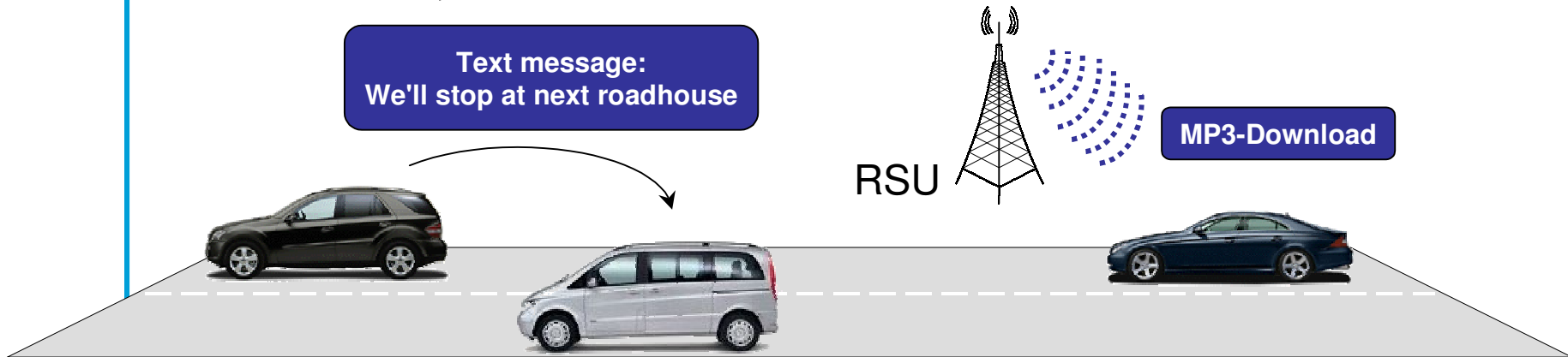- Sevecom Baseline Architecture for Privacy

- VC promises safer roads,

  Warning:
  Accident at (x,y)

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  Accident at (x,y)

- … more efficient driving,

  Traffic Update:
  Congestion at (x,y)

  TOC

  RSU

  Congestion Warning:
  At (x,y), use alt. route

  RSU

■ … more fun,

Text message:
We'll stop at next roadhouse

RSU

MP3-Download

■ … and easier maintenance.

Malfunction Notification:
Arriving in 10 minuten,
need ignition plug

Software Update

Car
Manuf.

Sounds good

BUT ...

- **Safer roads?**

Warning:
Accident at (x,y)
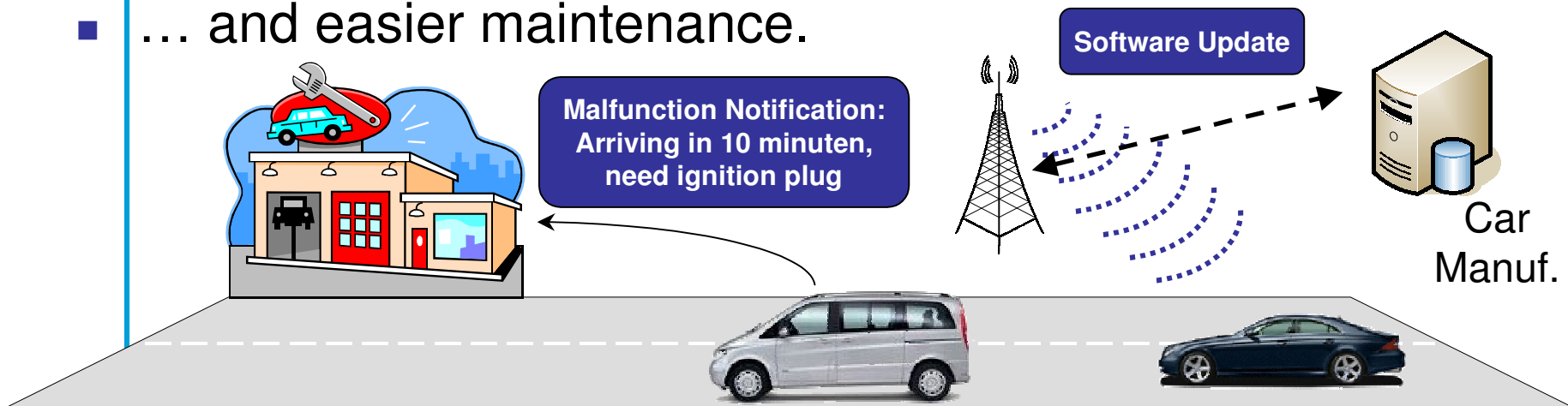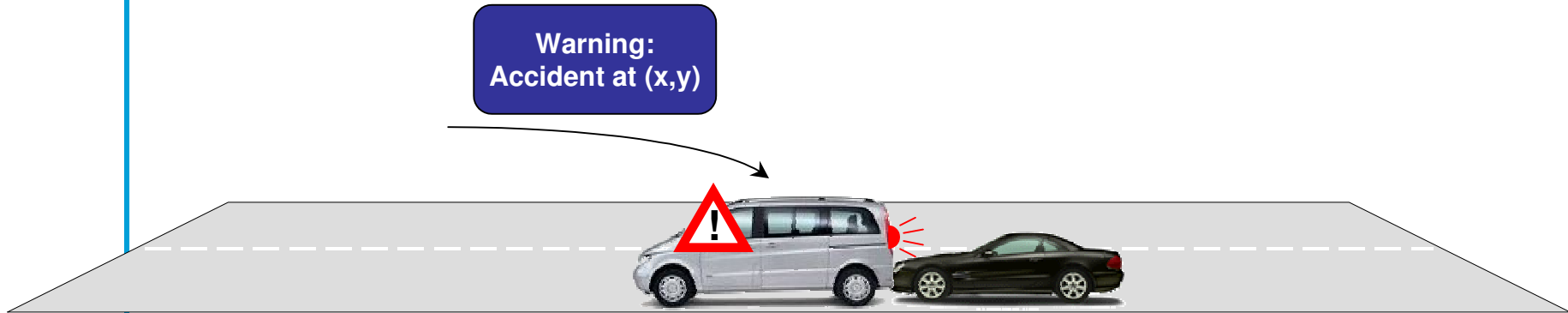
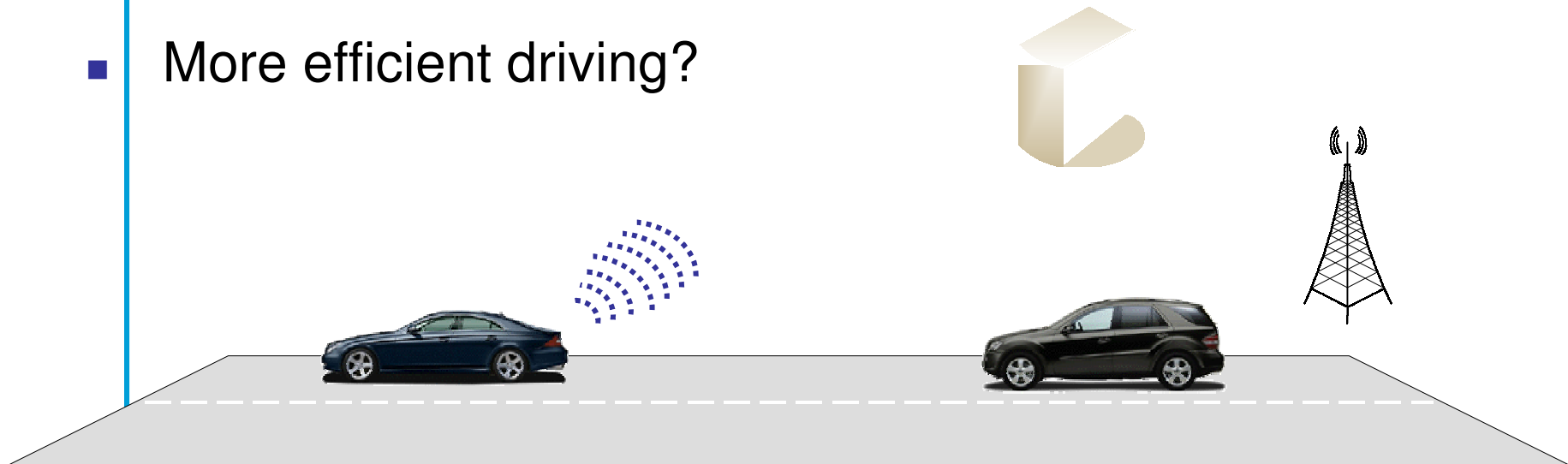- **More efficient driving?**

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ERROR: ioerror
OFFENDING COMMAND: image

STACK:
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