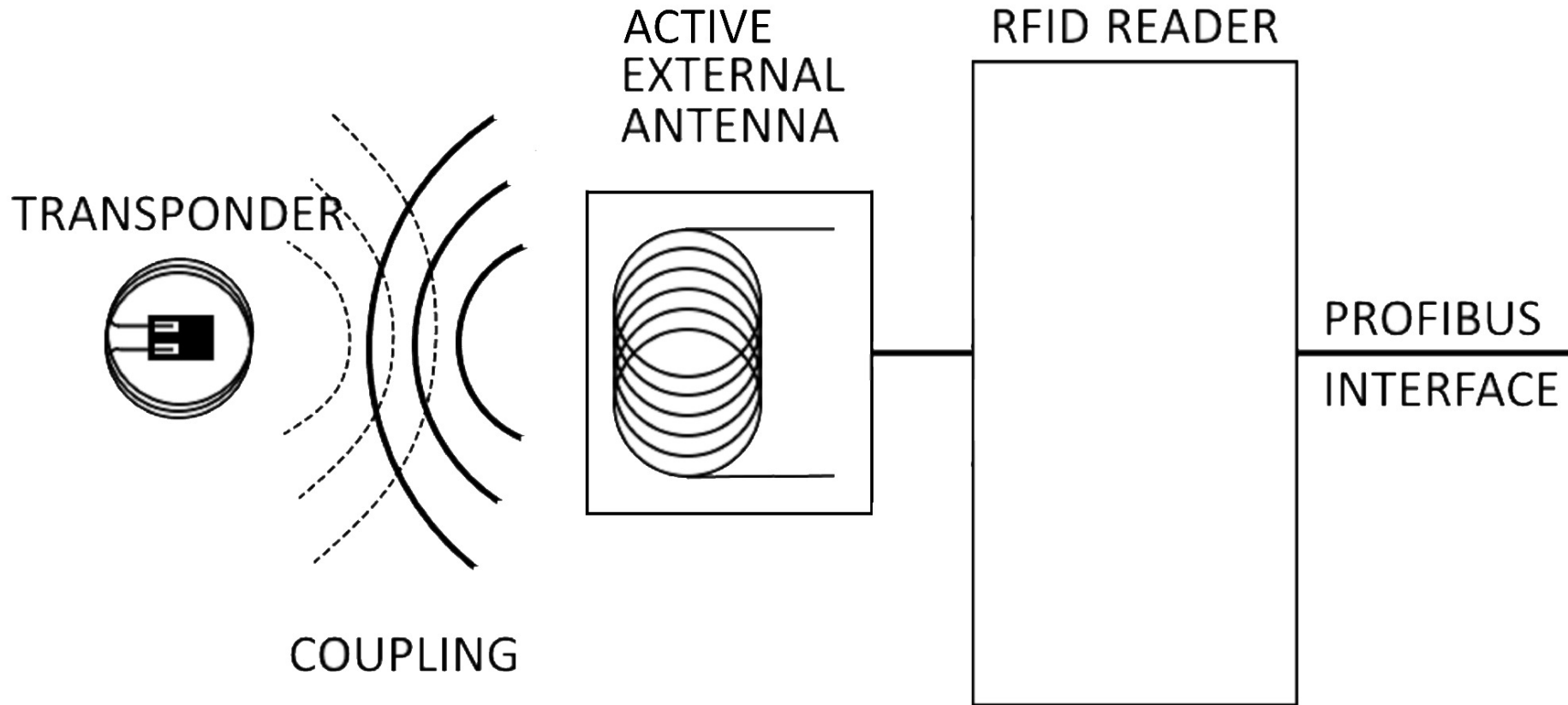


# Operational Description - RFID Reader

ARE K1 - PFB

V7IAREK1-2

**AEG ID**  
INTELLIGENT IDENTIFICATION™



For reading a passive transponder, the RFID reader is generating an electromagnetic field. This happens when the reader is receiving a command. The electromagnetic field is powering the transponder which is modulating its UID on the excitation field. The reader receives the signal, demodulates the UID and transfers it via Profibus.