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CERTIFICATION COURSE

Charging Infrastructure

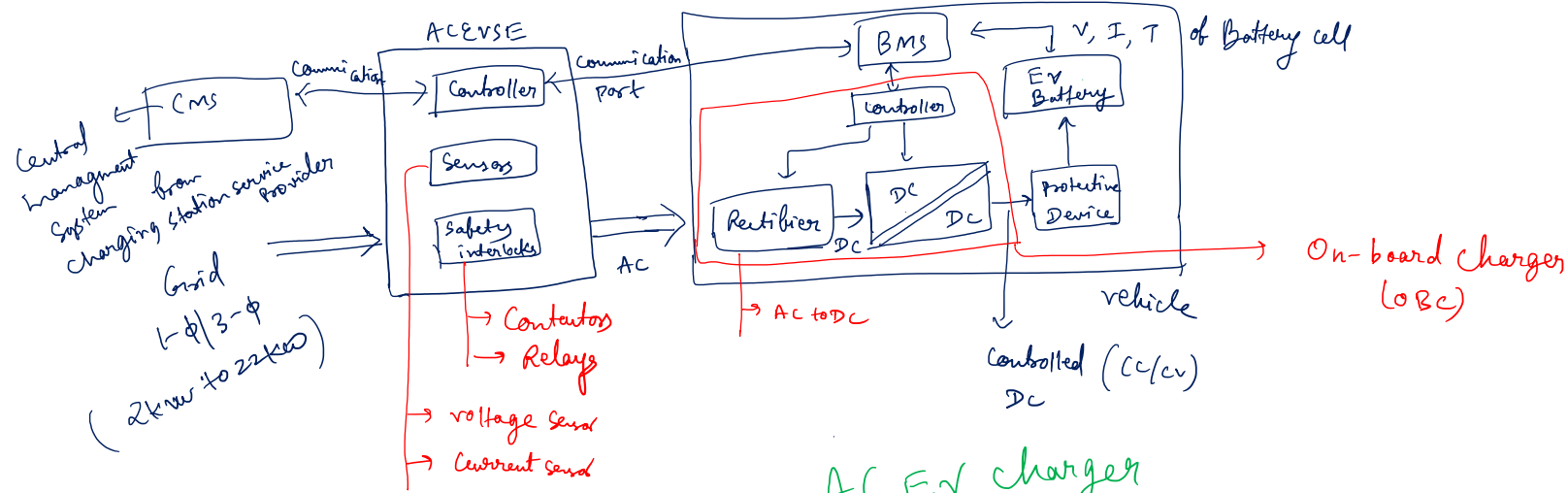
Lecture-3

Building Blocks of a DC EV Charger

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Recap

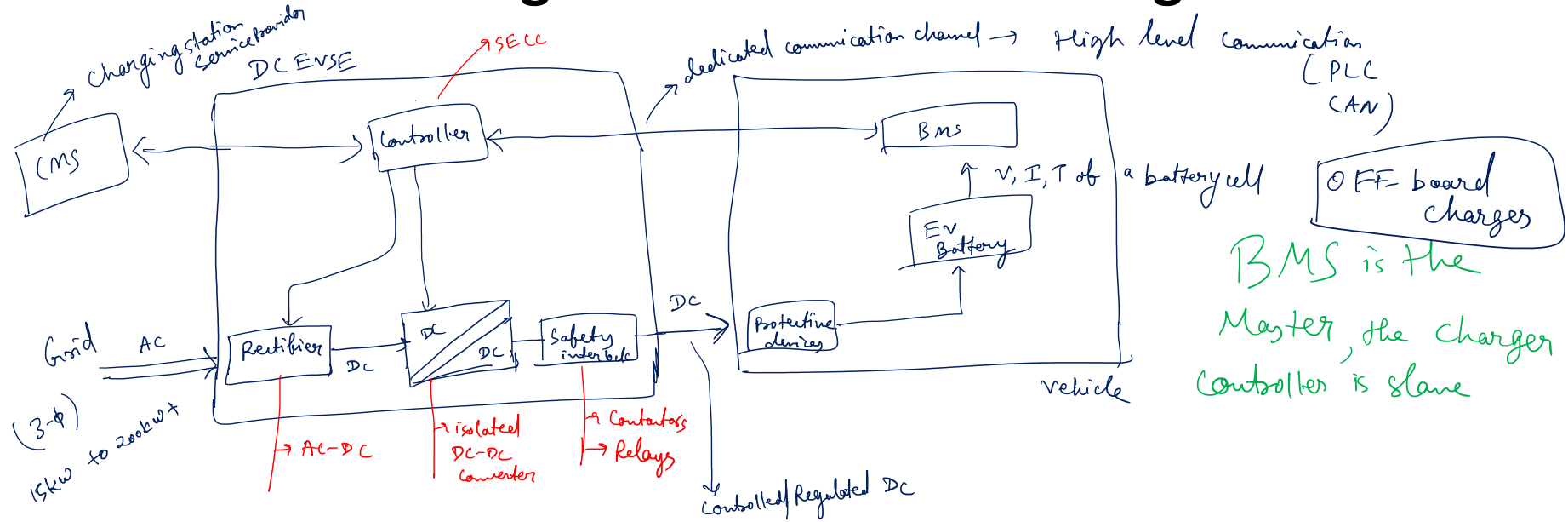


AC EV charger

AC EVSE

- Metering
- Monitoring
- Safety

Building Blocks of a DC EV Charger



BMS is the Master, the charger controller is slave

DC EVSE

- Power conversion
 - Monitoring
 - Metering
 - Safety
- continuous sharing of information between the BMS and the charger controller

Summary

AC charges
→ AC EVSE
→ OBC

DC charges

→ DC EVSE

(entire power conversion is taking place outside the vehicle)

DC EVSE is difficult to design & manufacture
as compared to AC EVSE

Thank You

