



## 1 – Introduction

- 1 Learning objectives
- 2 Introduction to e-mobility

## 2 – Transport and sustainability

- 1 The transport sector and its contribution to climate change
- 2 Fuel combustion and the associated CO<sub>2</sub> emissions
- 3 Electricity generation and the associated CO<sub>2</sub> emissions
- 4 Other factors for EV sustainability

## 3 – Electric vehicles for private transport

- 1 Battery electric vehicles and plug-in hybrid electric vehicles
- 2 Electric vehicle lifecycle
- 3 Electric vehicle efficiency

## 4 – Private EV charging infrastructure

- 1 Types of charging
- 2 Development of charging infrastructure
- 3 Challenges for the power supply and distribution grid

## 5 – Summary and outlook

## 6 – References (cited)

## 7 – Further reading (recommendations)