

# Unit Tour 9A

## Circular Economy in the Transport Sector

### Transport – Movement of People

### Planning, designing and making circular-economy-enabled transport systems

## 1 Introduction

Unit 9A provides resources for vocational trainers seeking to incorporate the circular economy into their courses in the Transport sector, focusing on the movement of people. The unit explores the importance of the use of renewable and alternative energies in this sector, namely focusing on the creation of an infrastructure for zero-emission vehicles, as well as the concept of the compact city, applying these principles of circular economy to the movement of people for transport and urban planning.

## 2 Learning Outcomes

<b>Knowledge</b>	To understand the need for and benefits to applying circular economy principles to the movement of people.
<b>Skills</b>	To identify circular economy principles in the transport infrastructure and in urban development.
<b>Competencies</b>	To be able to apply the principles of circular economy in transport infrastructure and urban development.
<b>EQF Level</b>	This content is mainly suitable for EQF level 4.

## 3 Lesson Plan

<b>Method</b>	<b>Description</b>	<b>Suggested duration in minutes (total minutes)</b>
<b>Brainstorming session</b>	Brainstorming where you as trainer write down definitions, notions and connotations ought to be used for future discussions and references. You can continue the brainstorming session with the following questions if needed: <ul style="list-style-type: none"> <li>- What do you think might be the main benefits of using renewable and/or alternative energies to propel our buses, trains, ferries, etc.?</li> <li>- Try to design or discuss with colleagues what kind of urban planning model could your city follow or represent.</li> </ul>	15

<b>Presentation by trainer using PPT</b>	Overview	30
	Unit Learning Objectives	
	The Problem	
	The Solution	
	Compact City Development	
	Case Study – Pontevedra, Spain	
	Discussion	
	Infrastructure for Zero-emission vehicles	
	Discussion points	
<b>Assessment</b>	Quiz	15

## 4 Quiz

**1. How can urban means of transport keep efficiency and, at the same time, be sustainable?**

Answer: By using alternative energies to propel them, like electricity, biodiesel, liquid gas and even, in a near future, hydrogen.

**2. Why is it important to promote and foster a sustainable city development, as much as possible?**

Answer: Because most of our urban areas need some sort of reorganization and adequacy to more environmentally friendly models.

**3. What is the Spanish city that has been coined as “the city that banned cars”?**

Answer: Pontevedra, in Galicia.