

# BUILD-UP SKILLS

INTELLIGENT ENERGY EUROPE PROJECT

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**THE ROLE OF MALTA'S VOCATIONAL  
EDUCATION AND TRAINING SECTOR**

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# OVERVIEW

- EXISTING VET PROGRAMMES
- EU 2020 STRATEGY FOR VET
  
- GREEN SKILLS
  
- TRAINING ROADMAP
- KEY CHALLENGES

# EXISTING VET PROGRAMMES

*" To provide universally **accessible** vocational and professional education and training with an international dimension, **responsive to the needs of the individual and the economy.** "*

MCASTs' MISSION STATEMENT

# INSTITUTE OF BUILDING & CONSTRUCTION ENGINEERING

- MQF Level 1 – Level 6 training programmes
- 22 IVET programmes covering vocational fields in:
  - Construction engineering
  - Building services
  - Heating, Ventilation and air-conditioning
  - Plumbing
  - Masonry and heritage
  - Woodwork
  - Welding and Fabrication
- 38 CVET programmes

# EU 2020 STRATEGY FOR VET

## OBJECTIVES OF STRATEGY

- Strong emphasis on education and training to promote **smart, sustainable and inclusive growth**
- Reinforce **attractiveness** of vocational education and training
- Mapping with other EUs **flagship initiatives**, such as “An Agenda for New Skills and Jobs”

- VET HAS A DUAL ROLE:
  1. Meet **immediate and future skills**
  2. Reduce **social impact** and facilitate recovery
- SKILL NEEDS FORECASTING reports clearly indicate a **greater demand** for medium to higher level qualification up to 2020

Social structures, including VET, to evolve to meet the challenges of:

- **Low-carbon economy**
- Continuing ICT driven evolution of products and services
- Ageing population

IVET

- Equip young learners with skills directly relevant to labour market

CVET

- Update skills and competencies of existing workforce
- Re-skilling

## IVET

Attractive learning option  
with higher relevance to  
labour markets

## CVET

Easily accessible training  
facilitating skills  
development and career  
changes

A NEW IMPETUS FOR VET

## COMMON TOOLS

Flexible systems based on  
recognition of learning  
outcomes, certificates and  
diplomas

Adequate **support** for  
disadvantaged and cross-  
border mobility



# VET RESPONSE TO EU2020 TARGETS

- **Employers' role** in provision of CVET
- **Validation** of non-formal and informal learning
- Contribution to **HE target**
- **Lifelong** learning approach
- **Quality assurance** frameworks for VET
- Evolving role of **teachers and trainers**
- **Partnerships** with stakeholders

# GREEN SKILLS – ELUSIVE CONCEPT?

- INVESTIGATION OF **SKILL REQUIREMENTS** CONDUCTED BY ILO and CEDEFOP
- MAIN THEMES
  1. Drivers of Change
  2. Low carbon economy
  3. Skills development
  4. Adjustments in training provision

# DRIVERS OF CHANGE

- Changes in employment lead to changes in skill requirements
- **Changes driven by:**
  - Policies and Regulation
  - Technology and Innovation
  - Physical changes in environment
  - Market and consumer habits

Intervention from governmental bodies essential to support job creation

# LOW CARBON ECONOMY

- Pro-active approach by industrial partners
- New markets
- Transition to low carbon economy may lead to economic and social costs
- Comprehensive **planning** and effective **policy co-ordination** to achieve net positive effect in the medium to long term employment

# SKILLS DEVELOPMENT

- Systematic **weakness in skill base** reported
- Skills deficit in relation to **STEM** subjects
- Gaps in **management and technical job specific skills**
- Skills development to primarily focus on
  1. Improving **existing skill base**  
*[numeracy, literacy, team-work, communication, decision making]*
  2. Increasing **adaptability and occupational mobility** of workers
- Country specific response is essential

# ADJUSTEMENTS IN TRAINING PROVISION

- Basic skills
- Matched training
- Training modes
- Train the trainers
- Labour market policy measures
- Public employment services
- Diversification of training tools

# MCASTs INVOLVEMENT

- ANALYSIS OF NATIONAL STATUS QUO
  - Development of objectives and specification
  - Existing VET programmes
  - Identification of target groups within construction industry

- BUILDING A **NATIONAL QUALIFICATION PLATFORM** FOR THE BUILDING INDUSTRY

- Endorsement from relevant bodies
- Identification of action measures
- Response to skills and competencies gap



- DEVELOPMENT OF ROADMAP

- 2020 targets for energy efficiency and renewable energy
- Qualification needs and gaps in construction sector
- Action plan for CVET training

# KEY CHALLENGES...

- Training the trainers
- Affordability and Flexibility
- Market forces
- Regulation – skill cards?
- Synergy between governmental bodies