

UNEVCO Global Forum on Skills for Work and Life Post-2015

Promising Practice of Greening TVET: BEHS, Korea

October 14-16, 2014

Jisun Chung
Korea Research Institute for
Vocational Education & Training

New Renewable Energy

- ***Korean government*** started to develop growth engine industries as part of the *Energy Vision 2030 Plan*, in 2006.
- The ***demand for industrial*** manpower in photovoltaic and wind power energy sectors has been increasing.
- ***Busan Metropolitan City*** designated new renewable energy industry as the fourth generation strategic industry, investing about US\$200 million in the human resources development in this sector during 2008~2013.
- ***Busan Metropolitan City Office of Education*** has decided to operate a specialized vocational high school to cultivate a workforce in new renewable energy.
- Former '*West Busan Engineering High School*' was renamed '***Busan Energy Science High School***' as a specialized vocational high school.

Development Strategies

- To develop **curriculum** in new renewable energy skills which lives up to the government energy policy
- Autonomously **textbooks** have been revised and developed two or three times a year in response to customized education.
- To strengthening **field training** for practicality
- To invest in **equipment** needed for practical training
- To operate **teachers** training programs, and to appoint honorary faculty and special lectures from industries.
- To establish **scholarship** system for students and increase the number of recipients.
- To develop a **career path manual** oriented towards new renewable energy jobs in order to increase the employment rate.
- The **quality of learning** has been improved through the differentiated levels oriented teaching method, open classes, and class contests etc.
- **Upright Character** Programs: self-confidence, activeness, honesty, earnest, self-esteem which are demanded by the companies.

Partnership with Industries

- By 2013, about 72 **industries** have contracted to **cooperate** for student education and training.
 - Several contracted for *customized education and employment*.
 - Industrial compound surrounding Busan area
 - Solar energy, wind power energy, fuel cell industries
- **On-site training programs** are developed jointly with companies participating in industry-academia expansion projects.
- The Busan Office of Education provides **employment coordinators** for employment of graduates, and the Ministry of Employment and Labor provides **employment support officers** and excellent lecturers.
 - **Special lectures** and **company tours** are held by the local government
 - How to succeed at job interviews and to promote employment of students in new renewable industry sectors are learned.

Performance

- **Students' interest** in academics and school life, employment and career in green industries is improving.
- **Employment rates and license acquisition** rates increased.
 - employment rates 19.5% (2007) → 53.7% (2013)
 - license acquisition rates 95.8% (2011) → 112.1% (2013)
- The college entrance rate: 65% (2012) → 38% (2014)
 - School-to-work system is improved and working better
 - work first college later (work-to-school)

Thank you!

