

# ENERGY STORAGE (3). TEST OF KNOWLEDGE

e-learning material

1. Why the energy storage technologies are rapidly developed and deployed in the energy systems

- a) *Increase the quality of energy, for reliability of energy supply, reduce the harmonic distortion, to eliminate voltage drops and jumps;*
- b) Increase the quality of energy and for reliability of energy supply;
- c) Increasing of the energy equipment service duration.

## 2. What are energy storage systems general technical characteristics

- a) Power, voltage and capacity;
- b) Technology, size, weight, effectivity during operation time, operation cycle costs;*
- c) Capacity, size and weight

### 3. Storage systems energy and power density depends on:

- a) *system technology, model type, manufacturer and size of construction;*
- b) effectivity during operation time, operation cycle costs;
- c) capacity, size and weight

## 4. What energy storage technology have best weight and size characteristic.

- a) Lead-acid batteries
- b) Flywheel storage systems
- c) *Metal-Air batteries*

## 5. What is the key economic parameter of energy storage systems

a) life time of the energy storage system

***b) price of the energy storage system***

c) efficiency of the energy storage system

## REFERENCES

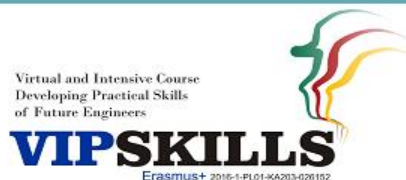
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Dr. Kęstutis Jasiūnas  
Vilnius College of Technologies and Design

## Contact

VIPSKILLS Project Coordinator:

[vipskills\[at\]pb.edu.pl](mailto:vipskills[at]pb.edu.pl)



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