

## Certified PV Professional



**Pavol Gaspierik**

Date of Birth: [REDACTED]

Successfully completed the above 150-hour online training

from April 2019 – September 2019.

The final exam was passed with a mark of 97.45% - very good with distinction.

The online training covered the following topics:

- **PV application** (application, components, physical aspects, energy yield estimation, ...)
- **PV technology** (physics of a PV cell, PV modules and arrays, efficiency and shading, ...)
- **PV-diesel hybrid systems** (sizing, dynamic system behavior, economic evaluation, ...)
- **Off-grid systems** (system applications, configuration and components, design and sizing, ...)
- **Planning of large-scale PV grid-connected systems** (main system components, project development, project planning, construction and installation, plant operation, ...)
- **Planning of PV-diesel hybrid systems** (introduction to feasibility case study, additional options to optimize system, installation, commissioning, operation and maintenance, ...)

Berlin, 02.10.2019

Place, date

Berthold Breid, CEO