

## Training Opportunity for Belgian Trainees

Reference	Title	Duty Station
BE-2019-HRE-XE	Spaceship EAC – Supporting Energy at EAC activities	EAC
Cologne, Germany, hosts the B medical operations. In order "Spaceship EAC" project, wh exploration on the Moon. The under the ExPerT (Exploration, The implementation of related	In Spaceflight and Robotic Exploration, the European Astron European astronaut corps and is responsible for astronaut tra- to prepare for future (human) space exploration missions nich aims at developing innovative technologies and co Spaceship project is part of the European Exploration En Preparation, Research and Technology) team. projects is often done in cooperation with institutes of the eadquarters and major facilities surrounding the EAC in Colo	aining and astronau s, EAC created the ncepts relevant fo velope Programme German Aerospace
standalone power system to s project is in collaboration with	ity proposed: aged in a large collaborative project, ENERGY@EAC, whic supply electricity to our habitat module under development DLR, CNES and other energy sector commercial initiatives a Id be aimed at supporting both the Spaceship EAC project	at the centre. This and companies. The
Tasks:		
<ul> <li>Become familiar with inverters, Fuel Cell, E</li> <li>Use modeling and est an operational estima losses, shading and d</li> <li>With the support of ES innovative energy tech near term</li> <li>Convert specifications use by the centre to s</li> <li>Use best known indus requirements and com</li> <li>Familiarisation and s exploration technolog</li> <li>Support the Spaceshi</li> <li>Liaise with the manage</li> </ul>	SA personnel and in the context of ExPerT, explore potentiall noologies and how they could be applied to human spacefligh and operational experience with these systems into a robus upport the ENERGY@EAC project stry standards (ISO, etc.) to enhance the project, taking into a straints such as scope, budget and location. upport for the "Spaceship EAC" project and - as far as re	continue to develop ent, electrical y disruptive and ht activities in the t documentation, for account levant – with ESA's
equivalent) in a technical or sci Applicants should have good cultural environment, both inde A candidate is sought with aerospace energy or similar. P opportunity are particularly des	interpersonal and communication skills and should be able pendently and as part of a team. educational experience/skills relating to energy systems, ractical demonstrated experience within these domains that	to work in a multi renewable energy are relatable to this