

FACT SHEET BIP

Name institution	HELHa, Mons
Title / Name BIP <i>(Enter the official name of the BIP)</i>	Green datacenters : Achieving business requirements and energy sobriety
Abstract <i>(Brief summary of the activity – what it is about in 3–5 lines)</i>	Many legacy data centers no longer meet today's IT requirements for reliability or modern standards for energy consumption. Additionally, securing sufficient power for new projects is becoming increasingly challenging. This project presents a real-world scenario focused on enhancing the energy efficiency of an existing data center and preparing it to support AI workloads.
Goal <i>(What is the main objective or purpose?)</i>	Provide the necessary background to understand and propose solutions to the ambiguous challenges of energy usage in data center industry
Topics covered <i>(List the key themes or subject areas that will be addressed)</i>	Industrial electrical distribution, design for availability and reliability, mix of guest lectures and labs exercises. Power usage effectiveness best practices to implement, mix of guest lectures and labs exercises. Project management and teamwork, dealing with the ambiguity of real-life cases. Impact of facility outage on the IT services and best practices to design a cross functional resilient datacenter.
Expected outcome(s) <i>(What should students gain or achieve by the end?)</i>	Integrate knowledge from the Cloud IT and the facility side of datacenters to understand the operation model of datacenter industry. Develop critical thinking by figuring out solutions to complex and ambiguous problems. Review and assessing the strategic performance of a team through cross assessment methodology
Start and end date of the BIP	23-27 March 2026
Content of virtual component <i>(Describe any online or hybrid elements –</i>	Before the mobility: - Case and project presentation

<i>e.g., webinars, online modules, collaborative tools)</i>	- PM2 project management methodology presentation - Introduction to power usage effectiveness in datacenter environment - DC101 online datacenter related introduction courses After the mobility: - Online event where students share 1 thing learnt during their journey.
Start and end date of the virtual component	3 Feb 2026 24 Apr 2026
Maximum number of students <i>(Total number of participants allowed)</i>	25
Maximum number per university <i>(Limit per institution, if applicable)</i>	5
Webpage	
BIP ID <i>(If already available)</i>	