

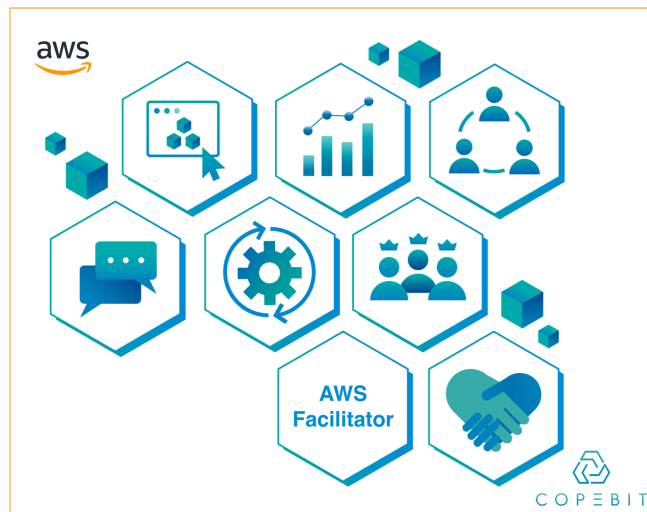
AWS Facilitator

Together into the future: Cloud technologies for the energy sector — supported by copebit's AWS Facilitator



Overview / Problem definition

In the energy sector, there is currently a high demand for the integration of new cloud technologies into existing operating processes and innovation projects. **The AWS Facilitator for energy companies** acts as a central interface between the internal IT department and the various specialist areas such as **hydropower, lighting** (public and private lighting infrastructures), **solar energy, wind power, biomass** and **grid operation**. copebit's AWS



Facilitator not only serves as a contact person and consultant, but also enables quick and uncomplicated access to **demos, proof of concepts (PoCs), minimum viable products (MVPs), training courses**, and various technology components thanks to copebit's extensive AWS technology portfolio. In this way, it provides energy companies with targeted support in the introduction and scaling of innovative solutions in the respective sectors and contributes to increasing efficiency and operational reliability in critical areas.

The AWS Facilitator provides all parties involved with an experienced **contact person and consultant**, supported by the comprehensive expertise of copebit, an AWS Advanced Consulting Partner. Over the past eight years, copebit has successfully implemented projects for numerous customers in the fields of education, industry, finance, the public sector, energy, and research and has extensive experience and the highest level of certification. The AWS Facilitator represents not just a single person, but the **combined knowledge and experience of many experts** who will support you in the successful realization of your projects and business ideas.



Benefits / Added value

Technology challenges in the energy sector	AWS Facilitator
<p>Energy companies must fulfill strict data protection and security requirements, especially for sensitive operational data, customer data, and critical infrastructure data.</p>	<p>Support in the implementation of security solutions to ensure data security and compliance, including identity and access management, threat protection, and key management. (Support in the area of: AWS IAM, KMS, Shield, CloudHSM, and many other services)</p>
<p>Energy companies increasingly need access to powerful AI and ML technologies, but these are often very resource-intensive. These technologies support the optimisation of processes in areas such as load forecasting, grid stability, maintenance predictions, and energy trading and are crucial to increasing efficiency and competitiveness.</p>	<p>Support in the implementation of machine learning tools to enable companies to develop and train their own models without having to invest in expensive hardware. Utilisation of generative AI services to quickly and cost-effectively provide technical support for proof of concepts, MVPs, and development projects (support in the area of: AWS Bedrock, SageMaker, and others)</p>
<p>There is a lack of flexible and scalable high-performance computing capacity in the energy sector, as in-house HPC (High-Performance Computing) solutions are costly and complex. However, such computing capacities are crucial for processing large volumes of data from areas such as energy forecasts, grid simulations, weather-dependent production planning and optimisation of generation and consumption strategies.</p>	<p>Support in the use of high-performance computing services to perform complex calculations and analyses, including efficient use of resources, load balancing, and automated task processing. (Support in the area of: EC2 Spot Instances, Elastic Load Balancing, and AWS Batch for performing complex calculations and analyses in research)</p>
<p>Energy companies face the challenge of efficiently managing, analysing and archiving huge amounts of data for the long term, while at the same time complying with strict legal data protection requirements. This includes data from areas such as generation, grid operation, consumption analyses, and maintenance forecasts, which are essential for the operation and optimisation of the energy infrastructure.</p>	<p>Advice on the use of cloud services for scalable data storage, big data processing and analysis as well as for data protection-compliant and secure solutions (Support in the area of: AWS S3, Glue, Redshift, and much more)</p>



Our offer

Our AWS Facilitator services focus on the following areas:

- **Consultancy and training:** Support in the selection and implementation of AWS services as well as continuous training through training courses and workshops on current cloud technologies and trends
- **Technology integration:** assessing the requirements for cloud adoption; integrating new cloud technologies into existing IT infrastructures and training programmes
- **Strategic planning:** Planning comprehensive digitalisation and cloud strategies, including making recommendations for the entire copebit service catalog
- **Selection and implementation:** Selection of suitable copebit services and products based on AWS cloud-native services; building flexible and scalable cloud solutions using a wide range of AWS services
- **Project support:** Supporting development projects from conception to implementation, including the provision of proof of concepts (PoCs) and demos for innovative projects
- **Security consulting:** Advice on best practices in the areas of data protection and IT security to ensure secure cloud solutions
- **Communication:** Promoting collaboration between companies, specialist departments, and the IT department to optimize cloud usage

	AWS Facilitator Basic	AWS Facilitator Advanced	AWS Facilitator Premium
Cloud consulting & support	8h per month	16h per month	20h per month
Cloud training	X	X	X
1x GenAI Standard Use Case / PoC (duration max. 1 month)	n/a	optional	X
Additional PoCs	n/a	optional	optional
Development support for PoCs / MVPs	n/a	n/a	X

- **Basic:** Ideal for newcomers to cloud technologies – suitable for initial steps together with an experienced partner, including training and targeted ramp-up of the internal organization
- **Advanced:** Includes all basic services and is suitable for customers who already have their own use cases and are carrying out proof of concepts (PoCs). Includes extended consulting for implementation
- **Premium:** Includes all the services of Basic and Advanced and is aimed at customers with increased requirements in the areas of software development and organization. It is suitable for the development of MVPs and PoCs with integration into existing on-premise infrastructures.



Costs

The standard services are available at a fixed price. Not included are the recurring costs for the AWS services, which are charged separately. However, many functions and products can be tested as part of the AWS Free Tier (i.e. without additional AWS costs). As an AWS Advanced Consulting Partner, copebit offers its customers attractive funding opportunities as part of the AWS Funding Program. Prices for individual services are available on request.



Contact/ copebit AG

At copebit, we have extensive experience and the necessary expertise in all areas to support your business transformation. Our focus is on AWS cloud technologies, which form our core competence as an AWS Advanced Consulting Partner.



copebit AG is a leading Swiss IT company specializing in cloud consulting, development, engineering, and operation. We are experts in the latest cloud technologies and project management, from HERMES 5 to agile frameworks such as SCRUM and SAFe. Our goal is to deliver exceptional results and build successful partnerships with our clients.

Customer references / success stories

- Landing zones: [Customer case: Appenzell Ausserrhoden Informatik](#)
- GenAI: [Customer case: HGC-Cubotoo](#)
- Data-based services: [Customer case: autoSense](#)
- Container EKS: [Customer case: Simpego](#)
- EKS / DocDB: [Customer case: Sly](#)
- [Further references](#)
- [Testimonials from customers](#)



Your contact:

Orlando Beiner PM & CEO
 orlando.beiner@copebit.ch
 +41 43 505 12 25

copebit AG
 Sihlquai 125
 8005 Zurich
 www.copebit.ch