Aruba announces the birth of ArubaKube, a spin-off of the Polytechnic University of Turin and new centre of excellence for cloud native development

The new unit aims to carry out open-source cloud research and development projects by nurturing talent and providing enterprise-class support to companies

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London, 27 July 2023 – **Aruba S.p.A**, the main Italian cloud provider and leader in data centre services, web hosting, e-mail, PEC and domain registration, announces the birth of ArubaKube, a spin-off of the Polytechnic University of Turin and an Aruba centre of excellence for research, development and innovation in cloud native technologies.

The headquarters of ArubaKube is located in Turin, an area of strategic technological importance. It aims to become a new innovation centre that will attract experts in the sector and be recognised as an Italian reference point for young talent looking to become professionals and pioneers of innovation in this area of the cloud industry. It will exist alongside the Aruba Software Factory - opened in 2019, also located in Turin - demonstrating Aruba's growing commitment to research and innovation in the area and its expanding collaboration with the polytechnic.

ArubaKube aims to build on and enhance research and development projects in the open-source cloud environment by supporting and providing its expertise to the various communities. The unit will also provide enterprise level support to companies, aiming - for example - to eliminate the risk of vendor lock-in, reducing costs and creating a two-way relationship between each company and the community.

The main objective of this new centre of excellence will be the research and development of innovative solutions that can simplify the management of cloud computing, enabling the simple and dynamic implementation of cloud continuum and edge-to-cloud continuum paradigms. Attention will also be devoted to the promotion, development and support of open-source projects, with a special focus on the Kubernetes platform.

"Cloud computing increasingly represents a fundamental tool for organisations that, by exploiting its advantages, can implement new business models and increase their competitiveness. Applications must be natively designed and developed to operate in the cloud environment and take full advantage of all its distinctive features. This is why it is essential to invest in continuous research and development of projects and solutions designed and born in the cloud". - commented Marco Mangiulli, Administrator and Chief Technology Officer of ArubaKube – *"We are proud to present the birth of this centre of excellence designed to bring together cloud technology with the open source approach, allowing the community to experiment and create open projects and companies to benefit from enterprise-level open source."*

Alongside the focus on ArubaKube, it is worth highlighting Aruba's commitment to the **Liqo** project, the open-source solution that allows you to build and orchestrate multi-cloud services creating, in a transparent and dynamic manner, a virtual infrastructure capable of aggregating resources and services belonging to different infrastructures or cloud service providers. In this context, ArubaKube is positioned as one of the major contributors to the project.

"Liqo allows Kubernetes to securely consume resources and services available anywhere, dynamically creating virtual clusters that span across multiple real clusters, creating a virtual, homogeneous and scalable continuum, with a model similar to the peer-to-peer internet." - commented Fulvio Risso, Professor at the Polytechnic University of Turin and Chief Innovation Officer of ArubaKube – *"Each cluster maintains full control of its own infrastructure, deciding what to share, how much and with whom, using specific policies and criteria. Moreover, the project applies the principles of the sharing economy, so it is more efficient and is also optimal in terms of environmental impact."*

Further ArubaKube projects are to be announced soon including participation in the Myrtus project, which has received €6m funding from Horizon Europe and will focus on artificial intelligence-enabled interconnectivity between 'edge, fog and cloud computing platforms'.

For further details: https://www.arubakube.cloud/

Aruba S.p.A.

Aruba S.p.A., founded in 1994, is the main Italian provider of cloud services and the leader in Italy for data centre services, cloud, hosting, trust services, e-mail, PEC, domain registration and digital signature. The company, with wholly Italian capital, caters for private individuals, professionals, businesses and Public Administration. Aruba manages a vast infrastructure that includes 2.6 million registered domains, 9.4 million e-mail accounts, 8.8 million PEC accounts and 130,000 managed servers, offering services to a total of 16 million users. Aruba PEC and Actalis are Aruba's two Certification Authorities, both accredited with AgID (Agenzia per l'Italia Digitale) and provide qualified services in the field of IT security, including digital signatures. In March 2021, Aruba expanded its offer by entering the telecommunications market with ultra-broadband connectivity services throughout the country. These services are based on Open Fiber's fully fibre-optic network (FTTH - Fiber To The Home).

In almost 30 years of activity, Aruba has developed extensive experience in the design and management of high-tech data centres, owned and distributed throughout Italy. The largest one is located in Ponte San Pietro, in the province of Bergamo, and is characterised by "green by design" infrastructures and facilities that comply with the highest security standards in the industry (Rating 4 ANSI/TIA-942 and ISO 22237), as well as being designed to minimise environmental impact. It also produces clean energy through photovoltaic systems, groundwater cooling systems and hydroelectric power plants. Aruba is also committed to implementing energy-efficient solutions in its data centres, demonstrating its commitment to sustainability. The infrastructure network also extends across Europe, with a proprietary data centre in the Czech Republic and partner facilities located in France, Germany, Poland and the UK. This international presence allows Aruba to offer integrated services and solutions at a European level. Aruba is actively involved in the community, supporting social projects and cultural initiatives. The company promotes digital inclusion, technology training and support for innovation through programmes and partnerships with entities, institutions and third sector organisations. Furthermore, Aruba has established strategic partnerships with important technological and institutional companies that allow it to offer integrated and high-quality solutions to customers, guaranteeing complete and reliable services in the field of digital technology. With a strong presence on the Italian market and a growing relevance at international level, Aruba stands out for its leadership in the sector of cloud services, data centres and connectivity solutions. Aruba is committed to technological innovation, sustainability and the development of cutting-edge solutions. The company continues to invest in research and development in order to offer its customers advanced services and products and to meet the increasingly complex and diverse needs of customers, adapting to the constantly evolving digital market. For further information on the Aruba Group, please visit the website https://www.aruba.it/

Aruba press office contacts:

Megan Cowlbeck/Lorna Miller
aruba@rlyl.com
Red Lorry Yellow Lorry for Aruba