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# Tender announcement

Sukarrieta, 21 August 2023

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## 1. OBJECT

The AZTI Foundation announces the opening of a public tendering procedure for **modernisation of its Backup infrastructure at its headquarters in Derio.**

## 2. DELIVERY AND COMMISSIONING

The delivery of the equipment and its commissioning will be managed within **a maximum of 8 weeks** from the date of signature of the contract.

## 3. ECONOMIC TENDER

The maximum economic offer that will be accepted for this tender is **one hundred and fifty thousand euros (€150,000.00)**, taxes not included.

Invoicing will take place as follows.

- 34% of the total amount by the end of October 2023
- 33% of the total amount by the end of October 2024
- 33% of the total amount by the end of October 2025

Invoices will be paid within 60 days from the date of issue.

## 4. ASSESSMENT CRITERIA FOR PROPOSALS

The proposals received will be assessed on the basis of the following criteria:

Economic offer	50%
Technical adjustment	35%





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Improvements	10%
CSR policies	5%

## 5. PRESENTATION OF THE PROPOSALS

Bidders may submit their proposals to the attention of Irati Velez at the e-mail address [ivelez@azti.es](mailto:ivelez@azti.es) and at any of the AZTI centres, from the time of publication of this announcement on the AZTI Foundation website, **until 12 noon on 4 September 2023**.

Proposals can be submitted in Spanish, English or Basque.

Tenderers may contact the following address for further **technical information**:

AZTI

Cesar Idokiliz

Tel. 34 656 78 49 78

Mail: [cidokiliz@azti.es](mailto:cidokiliz@azti.es)

## 6. AWARD

Once the offers have been received on the date indicated for their presentation, within 15 working days, the result of the tender will be published on the AZTI Foundation website.

## 7. CONDITIONS DE RECRUTEMENT

- The selected entity, during the time that the service relationship with AZTI lasts, must comply with the regulations in force on labour matters, Social Security and Health and Safety at Work, being subject, if applicable, to carry out the coordination of business activities in accordance with RD 171/2004 according to the procedure and specifications established (available at <https://www.azti.es/en/recruitment-rules/>)
- In any case, and independently of any other documentation, the selected entity must present, before the formalization of the contract, a certificate that proves that it is up to date with the fulfillment of its tax and social security obligations.



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- The selected entity must present the necessary documentation to formalize the contract within a period not exceeding 20 days from the award. Or the documentation, the selected entity must follow the Internal Contracting Regulations published at [www.azti.es](http://www.azti.es)
- In addition to the technical and administrative conditions, AZTI will positively evaluate those suppliers who demonstrate that they maintain policies on Quality, Health and Safety, the Environment, Sustainable Mobility, as well as Corporate Social Responsibility.

The supplier shall include in its proposal those documents or records that allow verification of these policies (quality and environmental certificates, documentation relating to actions in matters of social responsibility, etc.)

- The equipment or machine shall comply with the requirements laid down in the applicable legislation, to be taken as a reference:
  - Royal Decree 1644/2008, of 10 October, which establishes the rules for the marketing and commissioning of machinery.
  - Royal Decree 1215/1997, of 18 July, establishing the minimum health and safety provisions for the use of work equipment by workers.

#### **MANDATORY REQUIREMENTS OF RD1644/2008**

The equipment/machine supplied must comply with the requirements set out in article 41 of the Law on Prevention of Occupational Risks and RD 1644/2008 on the approximation of the laws of the Member States on machinery. It must have the following:

- CE marking.
- EC Declaration of Conformity.
- Name and address of manufacturer
- Identification of the machine
- Provisions with which the machinery complies
- Where appropriate, notified body and EC type-examination drawn up in Spanish.
- Instruction booklet in Spanish.
- Installation
- Commissioning



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- Operation
- Maintenance, etc.
- Written in Spanish

In case of receiving the equipment/machine without the appropriate documentation, the equipment will be rejected and returned, having the obligation to notify the corresponding Territorial Industry Office.

In the event of not complying with the established legal requirements, the order and the purchases made may be cancelled.

## 8. GENERAL DATA PROTECTION REGULATION

Person in charge: Identity: FUNDACION AZTI - AZTI FUNDAZIOA - CIF: G48939508 Postal address: TXATXARRAMENDI UGARTEA Z/G SUKARRIETA (BIZKAIA) Telephone:

946574000 e-mail: [lopd@azti.es](mailto:lopd@azti.es).

“From FUNDACIÓN AZTI we treat the information you provide us with the purpose of placing your order and billing for services and maintaining commercial relations. The legal basis for the processing of your personal data is our legitimate interest in maintaining commercial relations and carrying out the provision of services, being strictly necessary for this purpose. The data provided will be kept as long as the commercial relationship is maintained or for the years necessary to comply with legal obligations and, once the relationship has been resolved, to the extent that liabilities may arise. The data will not be transferred to third parties except in cases where there is a legal obligation, as well as to those providers of technical and computer services and auditing. Under no circumstances will we carry out international transfers of your personal data. You have the right to obtain confirmation as to whether FUNDACION AZTI - AZTI FUNDAZIOA is processing your personal data. Therefore, you have the right to access your personal data, rectify inaccurate data or request its deletion when the data is no longer necessary, as well as to exercise your right to oppose, limit or transfer your data, under the terms provided for in the applicable data protection regulations, by writing to the above-mentioned address. You may also lodge a complaint with the competent supervisory authority”.

## 9. TECHNICAL REQUIREMENTS

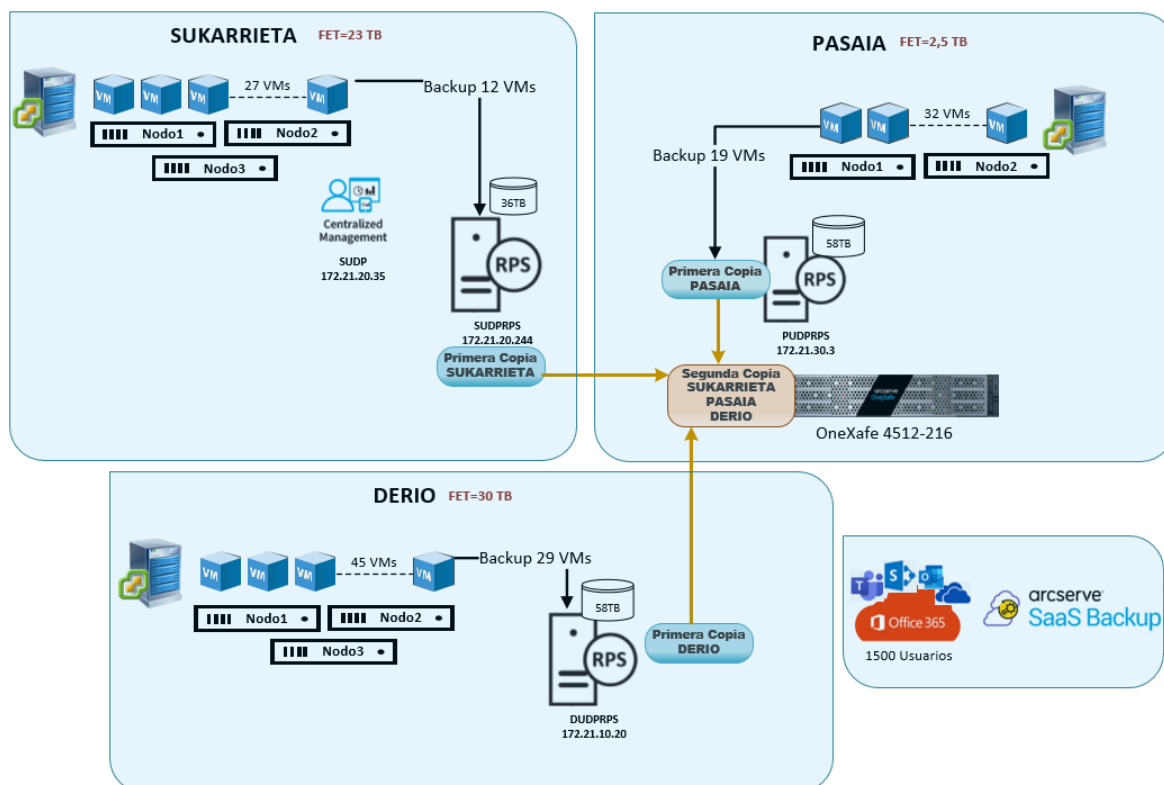
he AZTI Foundation announces the opening of a public tender procedure **for the modernisation of its Backup infrastructure** at its headquarters in Derio.



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As a continuation of the information protection strategy, AZTI wishes to continue modernising its backup infrastructure. To this end, it plans to acquire the following equipment to continue developing the roadmap already started.

Current situation:







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- Availability of documentation of the product's database that allows the creation of any type of report that may be required.
  - Possibility of managing different locations centrally without the need for VPN.
  - Management from the same console of physical, NAS and virtual environments, including workstations.
  - Dual authentication security for console access.
  - Definition of different security profiles
- ❖ Licences
- Support 24\*7 in Spanish, web and telephone.
  - After-sales support in Spain
  - Entitlement to new versions of the product free of charge while it is under maintenance.
  - Based on the appliance storage
  - Socket licensing (optional), TB and physical appliances.
  - Licensing for O365 per user or per TB of source copy (optional)
  - Licences for O365 protection included with appliance.
- ❖ Environment support
- Must support Microsoft Windows Server 2008/2012/2016/2019/2022 and Linux Suse, Redhat, Oracle, Debian, Ubuntu and CentOS.
  - Support for both Linux and Windows physical and virtual servers.
  - File-based (traditional) and image-based (modern) copies.
  - Must support agentless copies for Linux environments (physical and virtual).
  - Support for agentless modified block tracking for VMWare, HyperV and Nutanix AHV from the same console.
  - Agentless virtual environment copy support for HyperV, VMWare and Nutanix AHV.
  - Infinite incrementals, only one full copy at startup.
  - Ability to move image copies to tape and have granular restore from tape.
  - Ability to configure copy performance by day and time.
  - Ability to configure daily, weekly and monthly copies to disk with equal or different times on the same job, or copies for continuous data protection every 15 minutes.
  - Support for MS SQL 2008, 2012, 2014, 2016, 2017 and 2019, MS Exchange 2010, 2013 DAG, 2016, 2019.
  - Transport type definition in VMWare environments including SAN.
  - Copying VMWare environments over the SAN when available.
  - Oracle database support under Windows, Linux and Unix. RMAN support
  - SAP R3 and SAP HANA agent, possibility to launch copies from the SAP console itself.
  - Hot copy (without stopping the database) of both Oracle and SQL databases.
  - Support for Exchange online O365, Sharepoint online, Teams and Onedrive. Granular copy and restore.



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- Autodiscovery of SharePoint sites online.
- Native Oracle RMAN integration without the need to install agents on the source servers.
  
- ❖ Disk/tape storage and deduplication
  - Global and source deduplication with compression and encryption to ensure that data cannot be accessed externally.
  - Global and in-source deduplication without the need for specific or additional HW.
  - Deduplication globally and in the same repository of physical, virtual, CIFS/SMB Windows, Linux, workstations, O365 and between servers in different jobs.
  - Allow use of RAM or SSD to manage deduplication tables
  - Configurable deduplication in different block sizes
  - Define the number of recovery points per day, week and month
  - Global and source deduplication
  - Ability to dump disk copies to tape for fast recovery in case of disaster
  - Support for tape, libraries, local or SAN-attached VTLs
  - Copy to disk, to tape and to cloud, the manufacturer must have its own cloud in case it is decided later to outsource the storage of the second copies to the cloud.
  - Encryption at global repository and individual job level
  - Migrate from disk to tape with the possibility of granular restore from tape.
  - The manufacturer must give the option of providing both the hardware necessary to make the copy and the software pre-installed on said HW. Appliances.
  - Use standard NTFS (appliance) or CIFS storage, local, SAN or NAS to store backups.
  - Enable to meet data retention requirements on disk and tape for long periods of time, maintaining monthly copies on both disk and tape
  
- ❖ Replication
  - Include native replication of copies to a local/remote location or cloud (own cloud for future replication of second copies).
  - Outage tolerant support for replication, in case of connection loss must continue at the point of outage
  - Multi-to-one replication using global and source deduplication
  - Support for different retentions at any of the locations for the same copies of a server
  - Replication to storage device agnostic, different connection, type and manufacturer, at a minimum shall support CIFS and NTFS as storage repository.
  - Provide active/active configuration of a replication and ability to restore to either location without interruption of active replication
  - Ability to move complete copies physically without the need to replicate over the WAN
  - Ability to configure replication retries
  - Configuration of the hours and days in which replication will be performed, as well as the bandwidth used for this purpose.





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- Replication of servers from deduplicated stores with physical or virtual origin and destination in HyperV, Vmware, AHV Nutanix, Azure, Amazon & Amazon S3 Object Lock (Immutable Storage).
  
- ❖ Recovery methods
  - Recover virtual machines for VMWare, Nutanix AHV and HyperV directly from a single selection, without the need to restore the full backup and then incremental backups, reducing restore time.
  - One-step restore of files, folders, Active Directory, SQL or Exchange databases, or entire server using a single copy as the source, and no need for multiple copies to protect different components within a server
  - Recover a virtual server to another hypervisor, physical server or within the appliance.
  - Generation of catalogues for fast file search in case of restore.
  - Restore through Windows Explorer in copy and paste mode.
  - Bare metal disaster recovery for Windows and Linux servers (physical and virtual), possibility to restore in a complete way and in a different hardware the servers in production.
  - Replication or standby servers from virtual and physical servers against HyperV, Nutanix AHV, Azure, Amazon and VMWare hypervisors, allowing to have an image of the server. This functionality would allow servers to be started at any time without having to restore data, allowing immediate service restoration or recovery.
  - Automatic IP address change in case these stand-by machines need to be started up
  - One-step restore for files and folders from tape
  - With a single copy or snapshot it should be possible to recover SQL databases, dumps of SQL files. Bare metal Disaster recovery for physical and Virtual servers.
  - Instant recovery of machines from the storage repository where the backups are stored. This functionality allows virtual machines to be booted from stored backups without using additional storage or duplicating storage.
  - Exchange: restore emails, contacts, calendars, tasks, etc. from database backups, without making different copies for the database and for emails, the same copy must be able to restore databases and individual emails. Export of emails, objects, mailboxes, etc. to PST files.
  - Granular Exchange restore without the need to restore mailbox DBs.
  
- ❖ High availability/replication
  - Manufacturer shall also optionally have high availability with real-time replication of applications and systems in order to be able to offer high availability in case of contingency to servers that provide critical services to users. In such a way that availability ratios of systems and applications close to 0 can be achieved.



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- ❖ Cloud from the manufacturer itself
  - Manufacturer's own Cloud option for storing second copies if a is required in subsequent phases.
  - Manufacturer's own Cloud option for DR of replicated machines if a is required in subsequent phases
  - Included and specific anti-ransomware and cyber-attack protection to keep copies secure
  - Manufacturer's own Cloud option to make copies of O365 in Cloud to Cloud mode, licensed per volume to be copied or per user.
  - The manufacturer itself must have its own Cloud for replication and DR in this Cloud in case it is decided to store remote replicas in the future.
  - Copies from O365 (Exchange, SharePoint, OneDrive & Teams) to the Arcserve cloud.
  - Transport and storage encryption for all copies including O365 copies.
  
- ❖ Appliance format
  - All-in-one appliance from a single vendor (SW, HW and cloud)
  - Anti-ransomware and cyber-attack protection included and specific protection to keep copies safe
  - Hardware+Software with storage included, optional SAN connectivity, integrated remote management card, Spanish support, licensing included with no limit on the number of servers to copy, only limited to the capacity of the appliance. SSD disks to optimise deduplication. Anti-ransomware solution included.
  - The appliance itself will have the capacity to boot the machines from the copy repository in order to be able to carry out contingencies and continue providing service on the same appliance if the productive environment has any type of contingency.
  - OnSite support for the HW 8x5 next business day.
  - Ability to automatically cross hypervisors and cloud. Different hypervisor at source and replica.

### **One Xafe 4512-216TB 3 years of gold support**

#### Object-Storage Technology

- Ability to provision resources with SMB and/or NFS protocols
- Integration with Active Directory (quotas, entitlements, version history)
- Ability to choose redundancy with 2 (RF2) or 3 (RF3) copies of each object
- Storage of 12 x 18TB disks
- Scale-out expansion up to 1.5PB without the need for cluster reconfiguration
- Support for SATA 2, SATA 3 and SAS disks simultaneously
- Simultaneous support for 3.5" HDD hard disks from different vendors and different capacities



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- Global in-line compression and deduplication (fixed block and variable block)
- Cluster-to-cluster replication at the shared folder level (\*optional)
- At-rest encryption (\*optional)
- Zero-reconfiguration, non-stop expansion
- Continuous snapshots every 90 seconds
- Immutable snapshots with automatic rotation GFS
- anti-ransomware immutable snapshots
- Double authentication factor, SMS, External application
- Dual power supply and dual ventilation
- Remote management
- 4 ports at 10GbE on BaseT or SFP+ and optional 25GbE ports
- Use of Intel Optane technology and SSD for indexes
- Groups of NICs for multiple network profiles.
- Console in the Cloud or private

The required implementation services shall be included in the offer

#### **Design PHASE**

Analysis and Design  
Design Presentation

#### **Implementation PHASE**

Physical Installation Appliance  
Physical Installation OneXafe  
LAN and Electrical Connection  
OneXafe Startup  
OneXafe Configuration  
Appliance Startup  
Appliance Configuration  
Backup Policy Configuration  
Reorganisation of replicas, policies, etc.  
Jobs Configuration  
Configuration of Alerts and Reports

#### **PHASE Testing and validation**

Functional testing and Backup  
Restore tests

#### **Documentation PHASE**

Documentation

#### **CLOSING PHASE**

Project Closure