

## Keywords

- Electronic Equipment
- Mass Memory



# SPAM

## SPacewire Access Memory

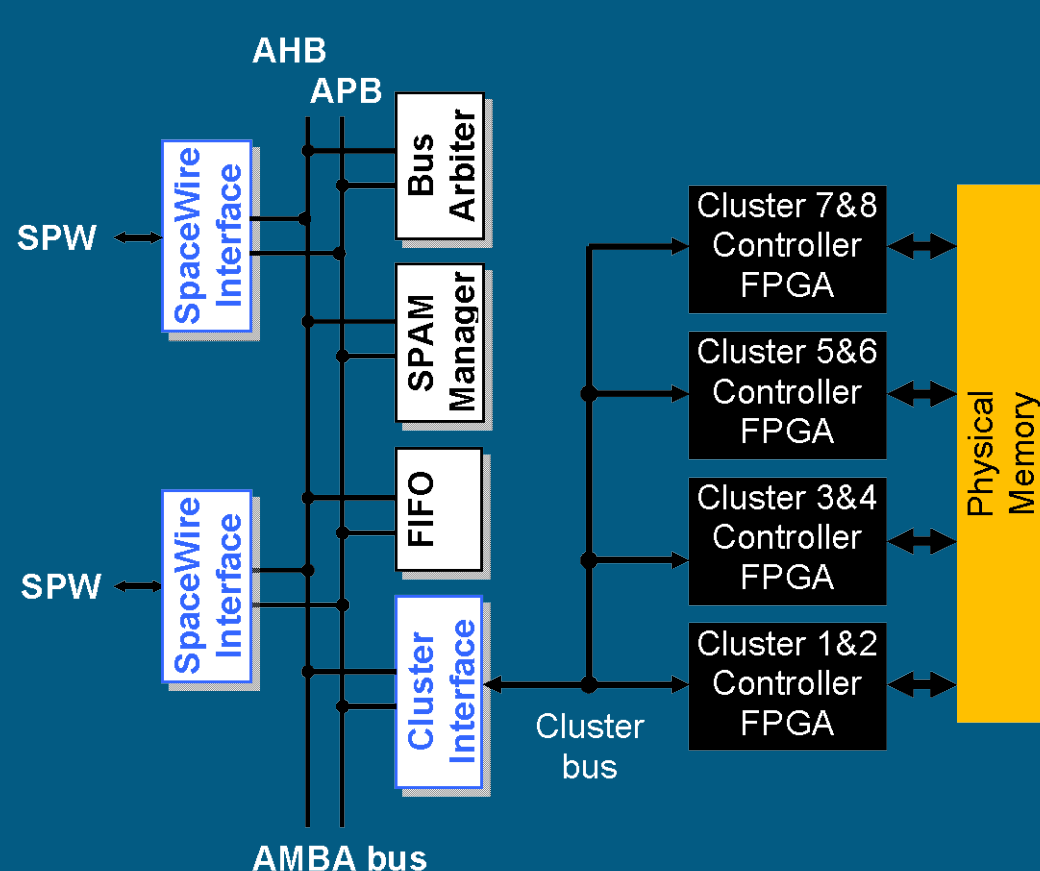
### Institutional partners

- Institute of Systems Engineering, HES-SO Valais
- Commission for Technology and Innovation CTI

### Industrial partner

- Syderal SA

## SPAM architecture



## HES-SO // Valais



The **Institute of Systems Engineering** of HES-SO Valais deals with objects, devices and mechanisms combining concepts of materials, energy and intelligence. Systems include mechanical devices, sensors, energy conversion and management and data processing units.

## Functions

- The SPAM module is the basic memory element of the next generation of mass memory equipment used for the platform and/or payload of satellites.
- The main task of the SPAM module is to perform a bridge between the SpaceWire link and mass memory devices.

## Main Characteristics

- integration of 3D memory modules of 1 to 4 Gbits (DDR)
- 2 Spacewire links at 100 mbps
- Management of 1 to 8 memory clusters of 16 Gbits each
- AMBA internal architecture

## Contact

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## Status

- Part of this development is used by Syderal SA for the integration of the next generation of Mass Memory Devices used in the space domain.