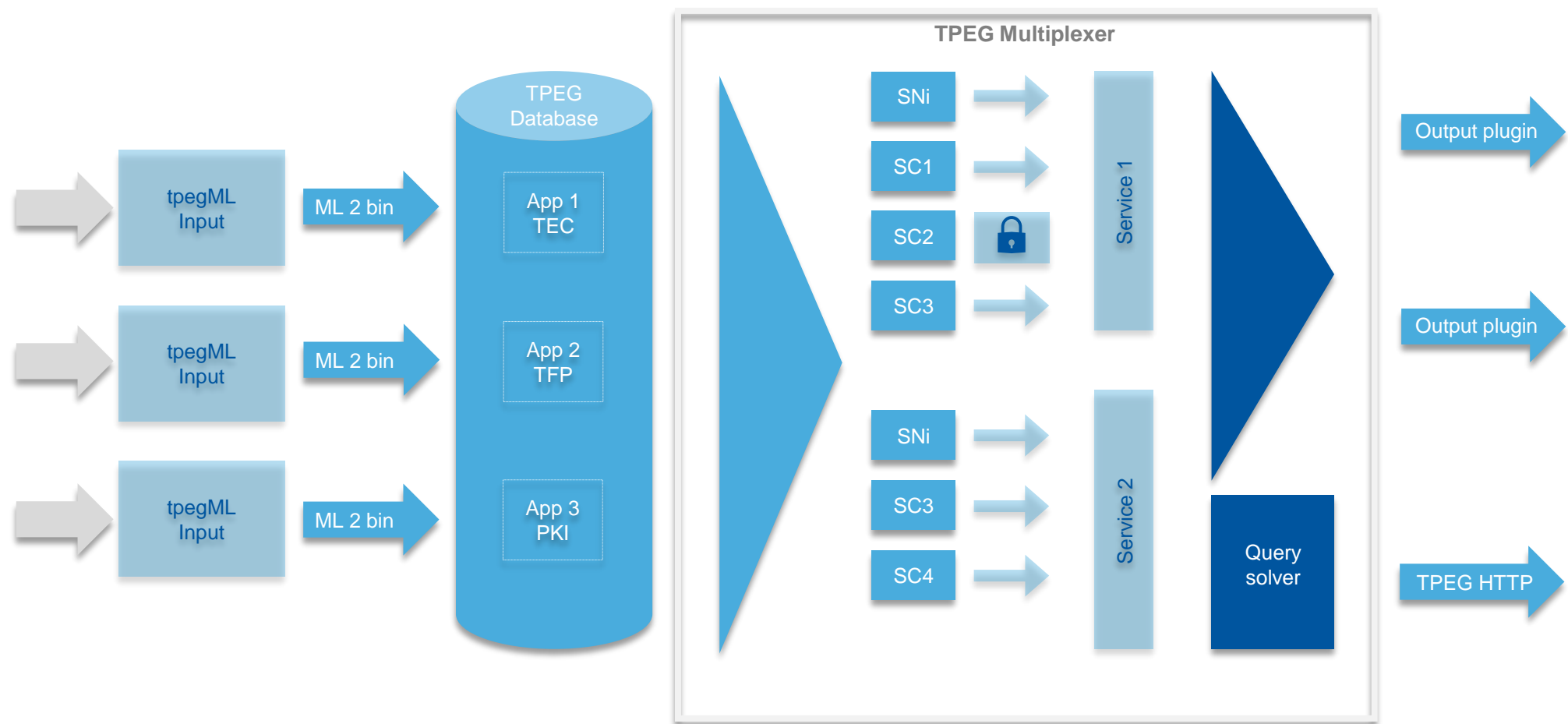




## Solution for generating TPEG services

The modular TPEG ON AIR system enables simple creation of TPEG services. Various inbound information can be converted, multiplexed and played out to different networks (DAB/DAB+, DMB, UMTS, ...). TPEG ON AIR is always updated to reflect the current TPEG specifications as issued by TISA. It supports all current DAB/DMB playout systems, works with encryption and offers new internet-based "TPEG over HTTP" output modes.

TPEG ON AIR is delivered as a virtual appliance based on VMware. It can be run either by using the free VMware player, server or VMware Enterprise solutions. Setup is easily done on Windows, Linux and Mac OS and managed via a Web interface. Scalability, availability and easy recovery are ensured due to virtualisation.



System overview: TPEG ON AIR



# TPEG ON AIR

## we can TPEG

### Features

- ▶ Support of all TPEG applications (TEC, PKI, TFP, ...)
- ▶ tpegML input; conversion of other data source formats available on request
- ▶ Interfaces to all relevant DAB/DMB playout systems
- ▶ Support of new Web-based delivery method "TPEG over HTTP" (as option)
- ▶ Support of various encryption methods: HECA, TPEG-LTE and TPEG-PAC
- ▶ Support for Zlib compression
- ▶ Web based configuration and status monitoring
- ▶ Full SNMPv2 support for professional 24/7-monitoring
- ▶ Available as test license (fully functional - can be used for test purposes without restrictions) or as full license

### Operations

#### System data input

- ▶ Data is uploaded to the system via FTP (other methods on request)
- ▶ Input format is standardised tpegML XML
- ▶ Data is processed as soon as it is uploaded
- ▶ Logfile for each imported file

#### System data output

- ▶ Various output plugins can be licensed
- ▶ Streaming to all major DAB/DMB playout systems
- ▶ Various TPEG file outputs
- ▶ Data output: full TPEG binary transport stream including stream directory and SNI
- ▶ The output plugins handle adaption to the various bearer playout systems, including DAB data group header creation and handshaking etc.

### Conditional Access

TPEG ON AIR fully supports TPEG-LTE, an easy to use, yet effective encryption mechanism for TPEG, designed specifically for use with B2B business models in mind. For use cases where TPEG service providers don't want to force client manufactures into implementation of additional encryption mechanisms, TPEG ON AIR offers full support for TPEG-PAC. Additionally, our partnership with Fraunhofer Gesellschaft IIS enables us to offer HECA encryption as an option for commercial services. The TPEG ON AIR system by bmt is fully compliant with HECA.

By supporting the above conditional access methods, TPEG ON AIR enables controlled distribution of digital content and is therefore the best choice for TPEG service providers that strive to protect their valuable content.