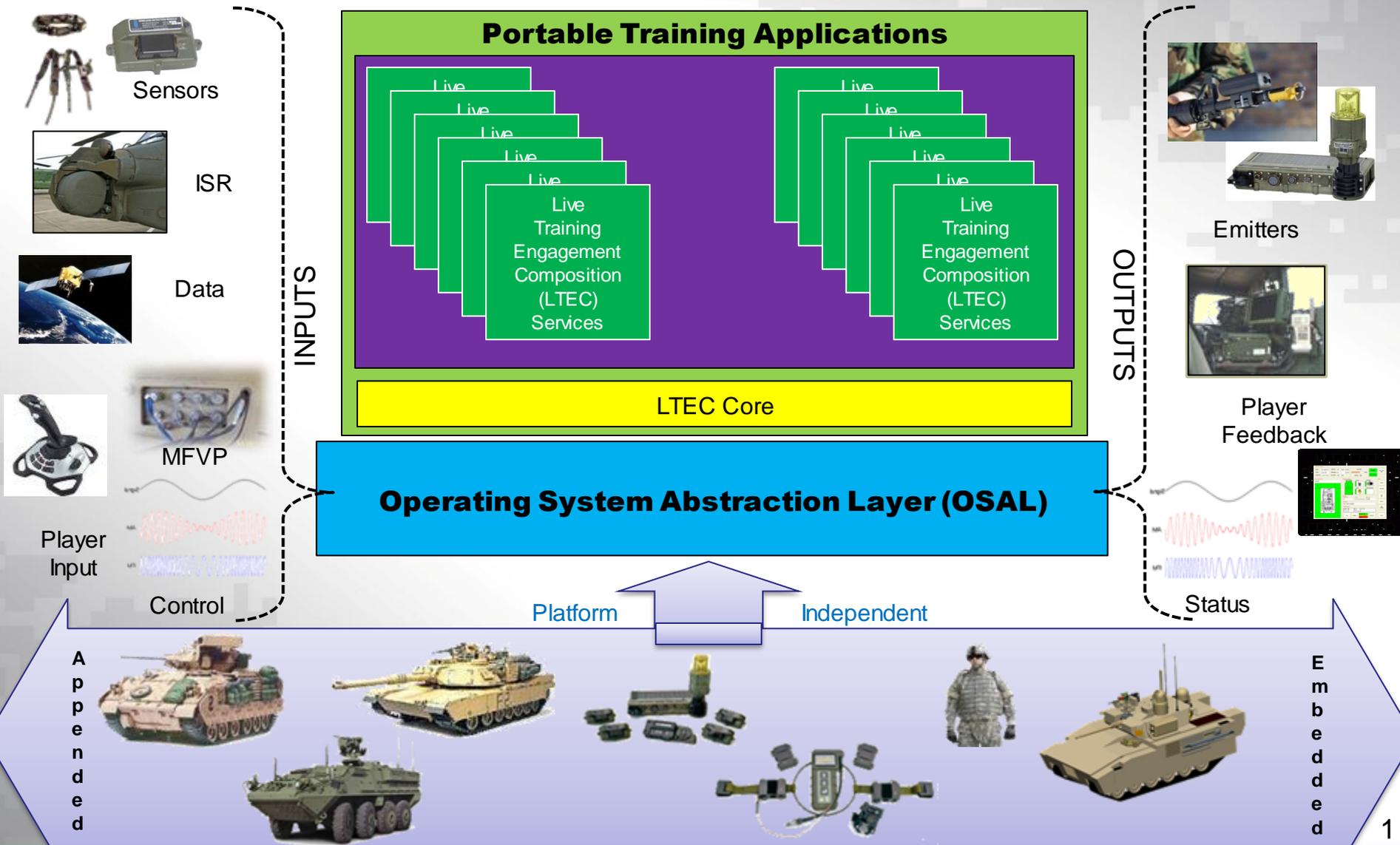


Live Training Engagement Composition (LTEC)

Software Product Line Vision



Live Training Engagement Composition (LTEC)



Features

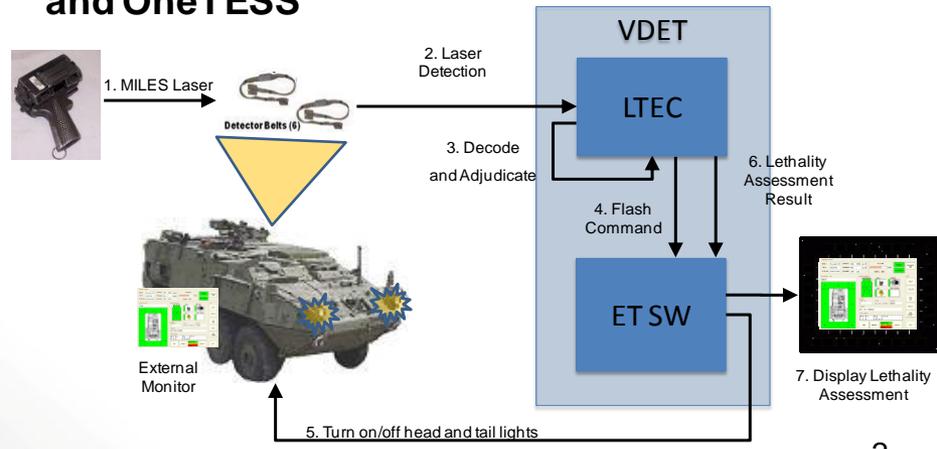
- Service Oriented Approach to defining TESS software
- Government-owned software resides on LT2 Portal and available to industry
- LTEC Interface Control Document (ICD) defines interfaces to TESS devices (sensors/stimulators)
- LTEC Developer's Guide documents LTEC Framework APIs
- Common representation of the battlespace Entity supports L/V/C interoperability and reuse
- Hardware platform and operating system agnostic

Benefits

- Platform/OS independence allows deployment on multiple hardware platforms
- Well defined interfaces ensure interoperability between independently developed TESS components
- No software license fees (GOTS)
- Same software can be used whether appended vs embedded, dismount vs platform, to provide TESS and/or Player Unit capabilities
- Composable services allow capabilities to be added, extended over time
- Separation of business logic from device interfaces allows reuse across multiple products and use cases (including L/V/C)



Initial effort (FY12) focused on integrating with Stryker and MILES XXI
FY 13 effort focused on integrating with IWS and OneTESS





Live Training Engagement Composition (LTEC)

Example Compositions

	Appended Dismount	Appended Platform	Appended/ Embedded Hybrid	Embedded Platform
				
LTEC Services	<ul style="list-style-type: none"> MILES Sensor PAN I/F GPS Indoor Tracking 	<ul style="list-style-type: none"> MILES Sensor MGT GPS 1553 Bus 	<ul style="list-style-type: none"> MILES Sensor MGT GPS Platform Bus 	<ul style="list-style-type: none"> Dual Use Laser ABCS I/F VKI Victory Bus
LTEC Core	LTEC Core	LTEC Core	LTEC Core	LTEC Core
Operating System	OSAL-Lite	Linux	Windows	VxWorks
Hardware Platform	IWS HCU	TVS VKC	VDET	Vehicle