

*Summary: Key demo  
facts, impact of VIVACE  
and outlook for Forum 2*



VIVACE



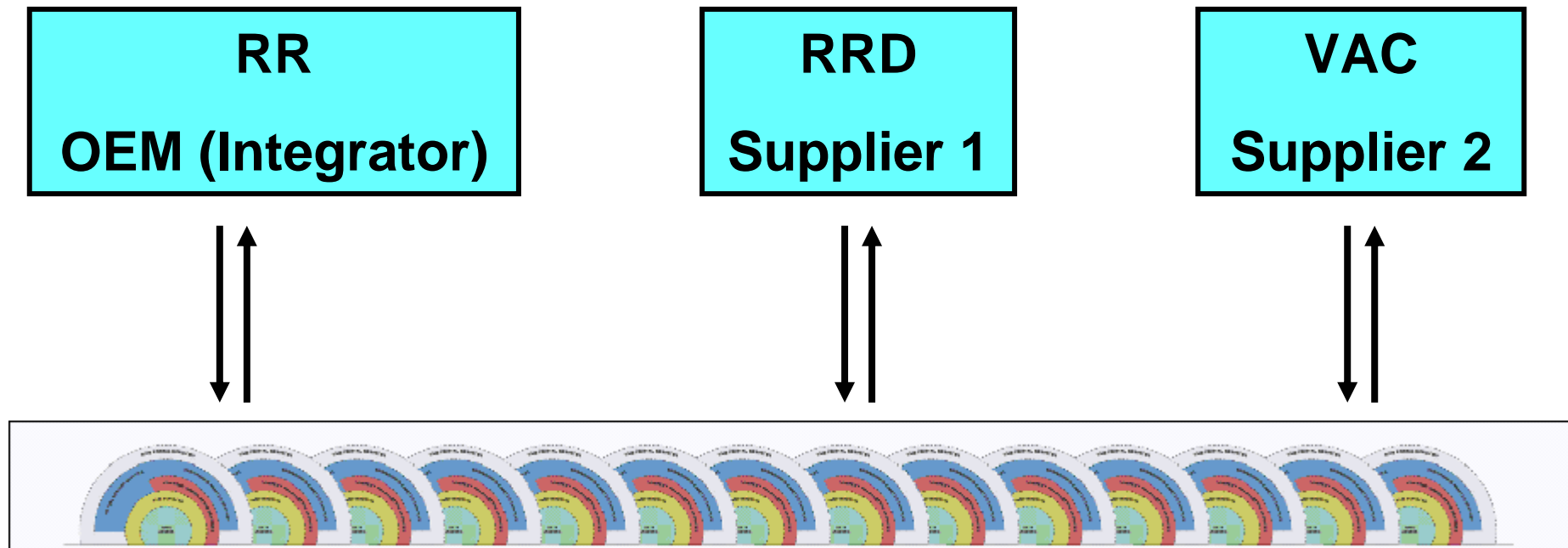
## ***Summary of Key Demo Facts***

- **Simulation of distributed design task between OEM and Suppliers (RR plc, SNECMA, RRD, AVIO and VAC) involving**
  - data management including security and access aspects
  - interface and requirements management
  - local design process automation
  - local Robust Design process
  - integrated design process involving a part update for clash rectification
- **Data located in Stockholm (PDM server) accessed through Web Services and over the Internet**
- **Compute Power located here in Warwick (Laptops)**
- **Web Service from Queens University Belfast included in the workflow (dimensional reduction)**
- **Only the Internet has been used to connect the machine, no dedicated connection required**



# Impact of VIVACE

post VIVACE





## ***Overall Benefits with a VEC-Hub***

- **Solving the collaborative engineering challenges**
  - Platform for building cooperation and contracts
  - Security and IPR addressed
  - Significant lead time reduction expected
- **The latest published data is available at all times**
  - Common areas to store collaborative information
- **Exploitation of existing standards**
  - Hub based on STEP (AP239, AP214)
  - W3C Web Services Standard



## *Outlook for Forum 2 and beyond*

- **Complete automation of the distributed design process**
- **Multi-disciplinary optimisation between components owned by different partners**
- **Configuration management on Analysis Results**
- **Further development and implementation of VEC-Hub services**
- **Extended Use Case coverage – now also including SP1**
- **Investigate the possibilities of distributed data storage**