

**LIAISE** is an **Internet negotiation environment**, designed to **assist the user** in obtaining the products most suited to his/her needs.

A **multi-node scalable system** offers the flexibility to apply the solution to any industry of any size.

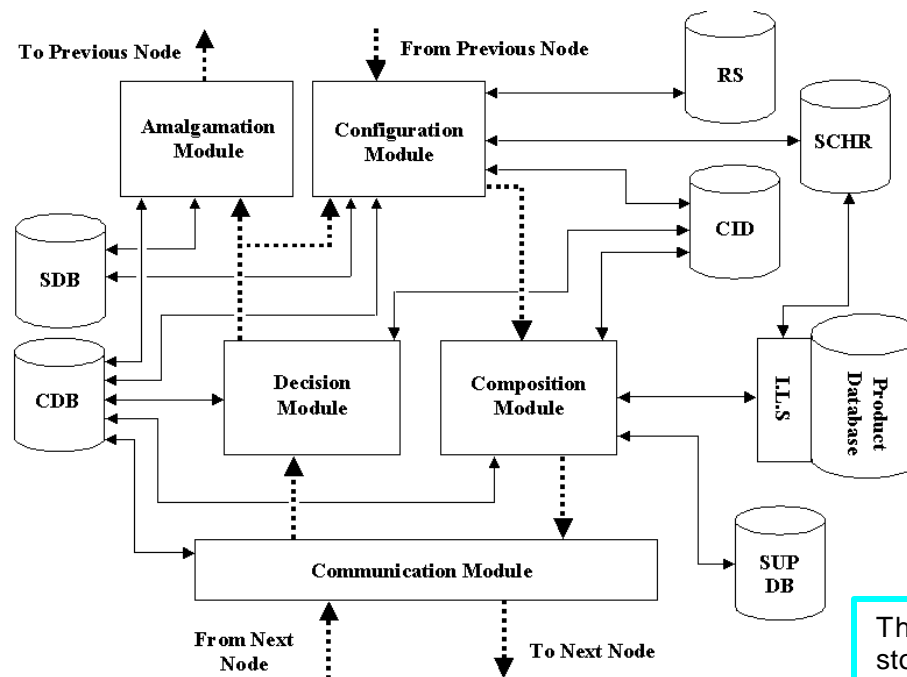
**LIAISE** provides **configuration support agents** for the configuration of **modular products** in extended enterprises aiming to satisfy the objectives of each actor along the value chain (customer, system integrators and suppliers)

The **Configuration Module** allows the customer to specify the products they wish to purchase and assists in configuring an effective solution. It also acts as an information router during the negotiation process.

The **Infrastructure Layer** is a communications and scheduling protocol for handling the distribution of data between the nodes. A workflow engine is able to identify which processes are allowed to be activated and to provide the correct activation sequence for the individual module that compose an individual node in the LIAISE scalable architecture.

The **Composition Module** searches the current node's product database for the best possible solutions and compiles all information about products not supplied at this node into a new working configuration, along with details of suppliers. The composition module also handles the negotiation process, using the information provided by the previous decision module to improve the solution offered by the node.

The **Amalgamation Module** performs the final processing on data before it is passed back up to the previous node. Primarily, this consists of reformatting the data into that suitable for the next node (removing sub-component prices to hide mark-ups and providing overall delivery times rather than individual times). This ensures the previous nodes will only be given the information they need.



The **Interface to Legacy Systems** is a non-standard module, which provides a translation link between the composition module and the firm's legacy systems (**Product DB**), to enable the retrieval of information.

The **Decision Module** makes informed choices as to the best products to include in the node's solution. This means choosing between products from the node, choosing between solutions offered from nodes lower down the chain and providing negotiation information to be used by the composition modules.

The **Communications Module** provides the means by which information is sent out to suppliers of products required by the node. It receives the information from the composition module, sends it out to the relevant suppliers and tracks the requests and replies in and out.

The **Local Persistency Layer** is the storage backbone of the information needed and being gathered during the dynamic and knowledge intensive **Configuration** and **Negotiation** phases:

- RS: Requirements Storage
- SCHR: Schema Repository
- CID: Client Information Database
- LIS: Interface to Legacy Systems
- SUPDB: Supplier Database
- SDB: Solutions Database
- CDB: Configuration Data Base

The **LIAISE Portal** is the access point to the LIAISE environment and provides registration, login and information services.

The IT Partners



TXT e-solutions



The End-Users

Orsi Automazione



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**LIAISE**

*Local Intelligent Agent as  
Informed Sales Expert*

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