



# *TTE-Europe*

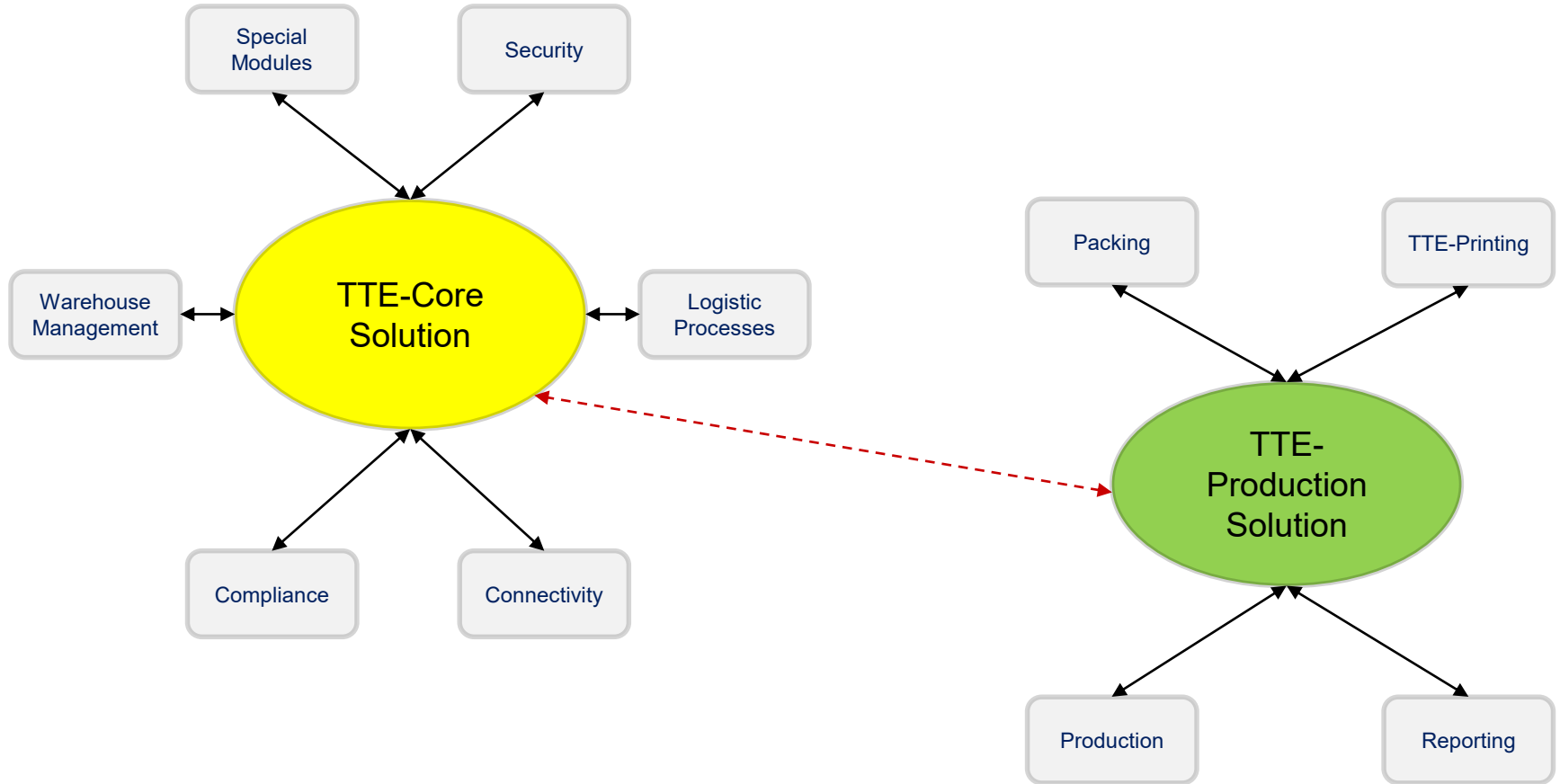
## **Track & Trace of Explosives, what's special to standard T&T solutions?**

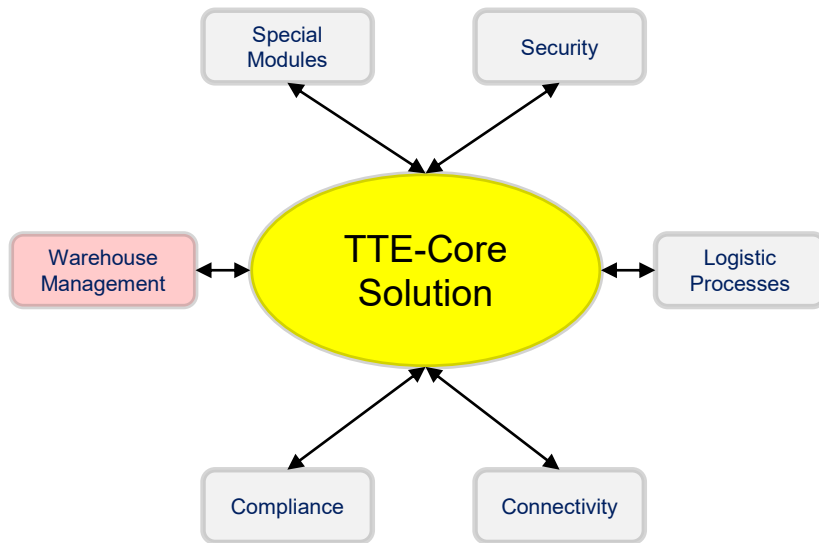
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Senior Business Partner Manager of *TTE-Europe GmbH*

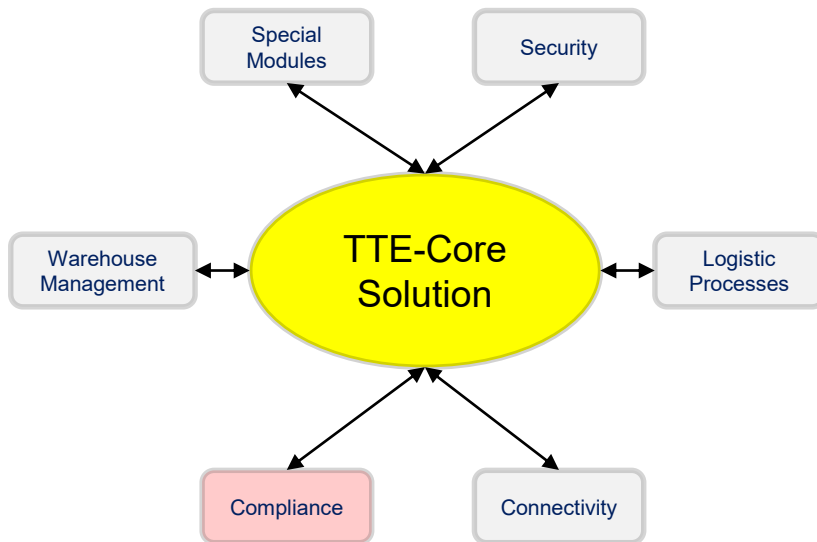
## What special features does TTE-Plus have, that other T & T solutions do not?

- Track & Trace proceeding on item level.
- A multiple of the data volume is processed compared to standard track & trace solutions.
- Special, explosives related master-data, displays and counting is used.
- Support of special processes, which are only used in the explosives business.
- Specialized reports and analyses will be generated.
- Fulfillment of laws and regulations special related to the explosives business.
- Direct interface into the production processes with 2 way data interchange.

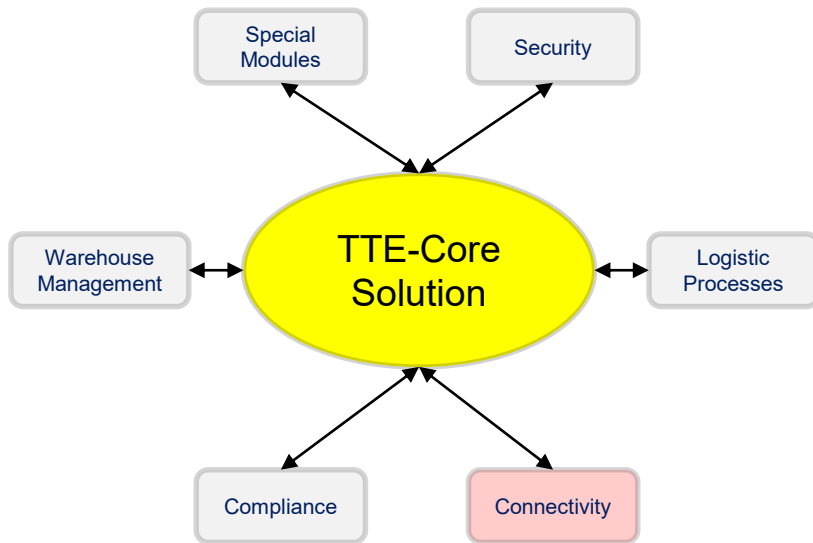




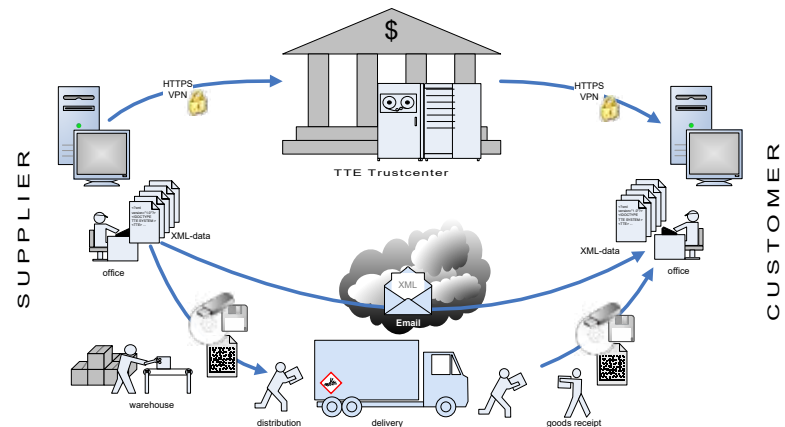
- **Electronic stock book**
  - Handling of stored goods for a unlimited number of warehouses.
- **Process book**
  - Overview about all handled processes with several filter methods
- **Location overview**
  - Overview of all elements, sorted by barcodes of the largest packaging unit.
- **Stock closing**
- **Inventory**
  - Electronic inventory for all warehouses.
- **Order Management**
  - Guided (through ERP-systems) or manual order handling.
- **Quality management**
  - Quality management, generation of all needed documents.
- **Full set of relevant master-data**
  - Flexible definition of master-data, automated capture of MD out of external files.
- **Handling of non explosive goods**

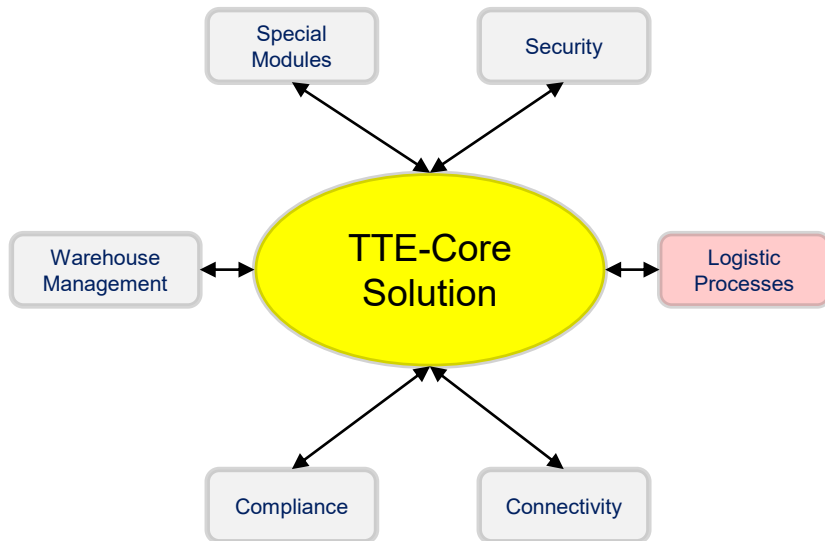


- **Roles and rights**
  - Flexible roles & rights concept.
- **Control the full supply chain**
  - Performing searches in different company sites simultaneously.
- **Record of all data types.**
  - Depending on local law's.
- **Reports**
  - Standard reports in pdf, csv and excel format.
  - Customized reports on customer demands.
- **Authority information**
  - Detailed information about all handled goods.
- **Track & Trace**
  - Track & Trace about every single item of explosives.
  - Track & Trace of hierarchy levels above.
  - Tracking of non explosives.

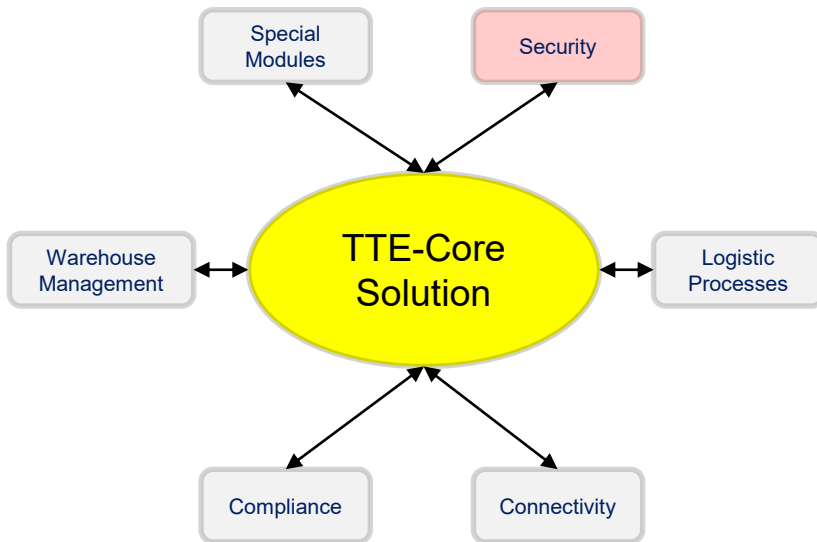


- **Standard interface**
  - Connection to 3<sup>rd</sup> party software.
  - 2 way data exchange
- **TTE-Trustcenter**
  - Automated data exchange between all clients and suppliers.
  - Highest data security.
  - No manual effort.
  - Minimal costs.



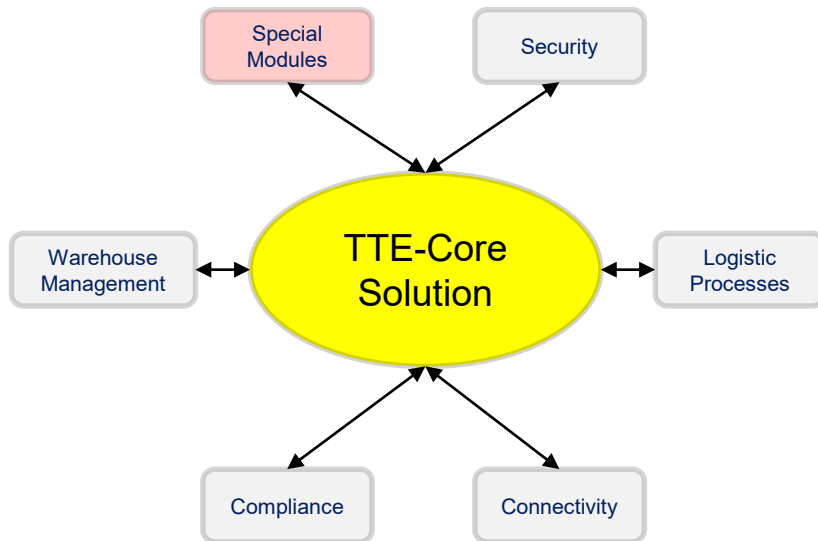


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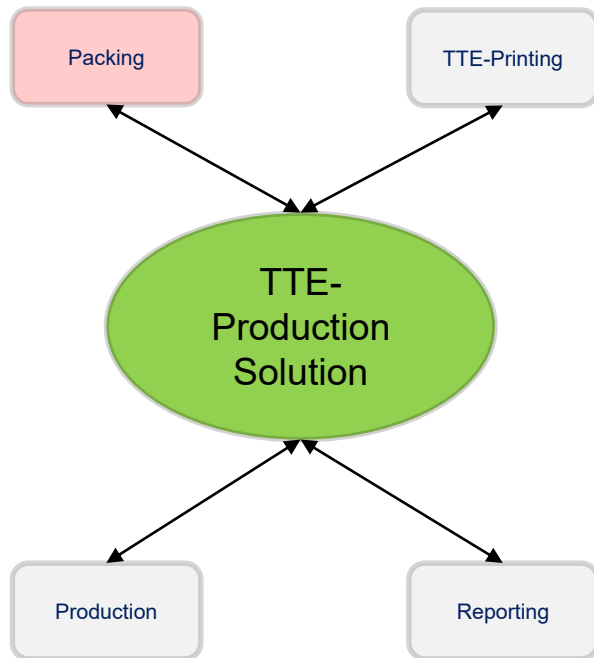


- Encryption
  - All related data are encrypted.
- Disaster recovery
  - Different methods of disaster recovery are available.
- VPN tunneling.
  - The data transfer via VPN tunneling.

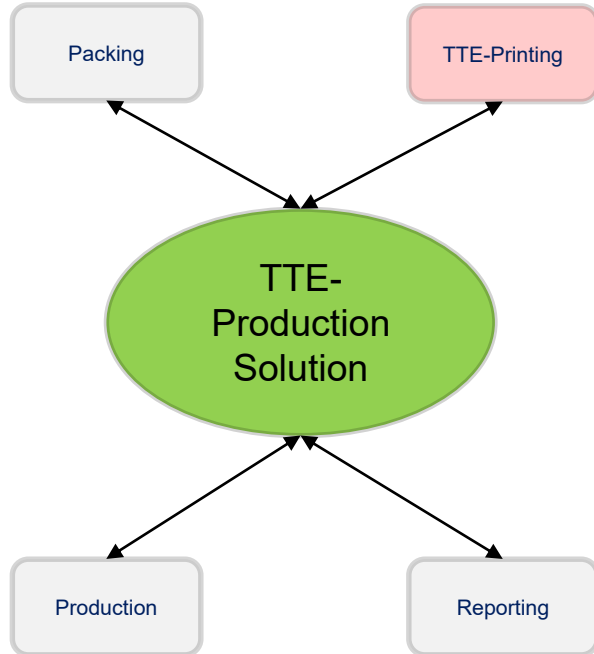




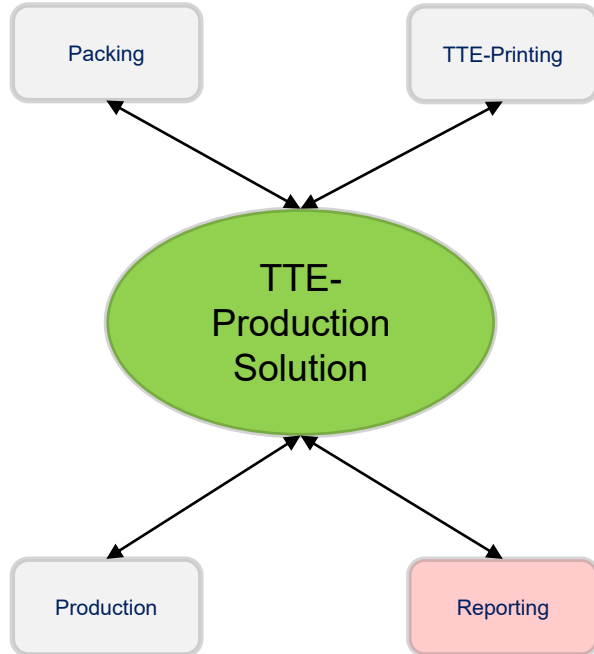
- **GunBuilding**
  - Supports Track&Trace, documentation and logistic processes within the GunBuilding for the Oil industry.
- **Quality control**
  - Handling of quality control processes after the production .
- **VPN tunneling.**
  - The data transfer via VPN tunneling.



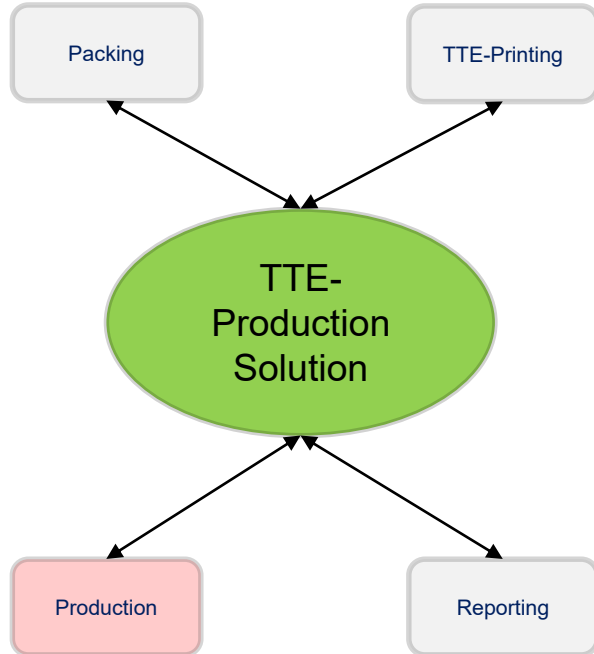
- **Hierarchies**
  - Automated creation of packaging hierarchies from item level up to a container.
- **Master data**
  - Usage of pre defined packaging data as well as on time data input.
- **Change handling**
  - Later modifications are possible.
- **Guided packing**
  - User will be guided during the packaging process.
  - Visualization of the state of the packaging process.



- **Label printing**
  - The solution ranges over all packaging levels and forms automatically the correlation between the individual items and their higher packaging levels.
  - Determining the packaging structure with automatic assignment of the single items to the higher packaging level
  - Adding article specific data, as e.g. the NEM, the application date, the production date etc. Independent creation of standardized data matrix codes and the unique serial numbers
  - Printing „on the fly“ or „pre printed“ labels.
  - preset of standard layouts for labels of each packaging level
  - creation of user specific layouts
- **Data file creation**
  - Automated creation of xml-files with all needed and relevant product data.



- Reporting
  - Report creation about marking and scanning of produced goods.
  - Individual reports about productivity and output



- Production
  - Guided marking
  - Automated or half-automated labeling
  - Automated or half-automated data capture



**Thank you for  
your interest!**

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