LTS$^2$
Protecting the future
Take the safest route
to securing your materials lifecycle.

Don’t waste valuable production space on the storage of Last Time Buy components. Space costs money.

Component obsolescence ignored in design & development phase risks the product losing some or all of its function, or requiring expensive re-engineering.

Lack of specialised knowledge in dry/cold storage could result in damaged components and ultimate failure of parts.

Lack of obsolescence strategy could mean loss of productivity & inability to fulfill service contracts.
Storing components is a complex discipline requiring specialist equipment, finely tuned processes & reliable environmental control. Choosing the right storage can allow components to reliably perform to specification long after original manufacturers guarantees have expired. It can slow the aging process allowing components to retain their ‘Form, Fit and Function’ credentials.

**The Problem of Obsolescence**
Increasing component lead-times, reduced development cycles, rapid changes in packaging design & materials, component lifecycles and warranty management are all forcing companies to purchase forward to guard against the impact of component obsolescence on their final product. A product with obsolete components can require expensive re-engineering to rescue it. Ignoring the problem can result in catastrophic failure of equipment & loss of productivity.

Obsolescence management has evolved to counter these issues. If obsolescence is considered right from the design stage, the lifecycle will be secured, and the product will perform to its pre-determined specifications throughout its life.

**Through Life Support**
Understanding component obsolescence requires knowledge spanning many disciplines but one of the most reliable ways of protecting against obsolescence is to have your own stockpile of genuine components in storage. The support period for a product can extend for up to 30 years and encompass a range of different Through Life Support initiatives that need to be managed during the product lifecycle.

SuperDry® Totech has partnered with CMCA (UK) to provide a range of specialised services that include Obsolescence Mitigation and Component Monitoring & Testing that ensure their continuous availability and performance.

**Why Choose Totech LTS²**
At the heart of Super Dry Totech’s Long Term Storage Solutions (LTS²) is a new facility in The Netherlands which houses a safe, secure quarantined area, that is compliant to international standards & uses patented technologies for temperature and humidity control to ensure components are kept in optimal conditions – typically 14°C and <5% rH.

Transparent and fully traceable management logging means customers can verify the status of their stocks online, in real-time, supported by a full range of interim testing regimes. Critically it will improve the sustainability of products and services, reducing risk of exposure to obsolescence across the supply chain.

Most importantly, LTS² manages this process so that the customer doesn’t have to. Our customers are experts in manufacturing, SuperDry Totech are experts in Long Term Dry Storage and LTS² provides a vital service that allows them to not be distracted from their core business.
There are a fewer TLS considerations during the Disposal Phase. However thought should be given to:
- Disposal restrictions due to REACH / WEEE regulations
- What to do with excess stock
- Any lessons learned for future projects

During the Design / Demonstrate phase a number of important TLS disciplines must be undertaken:
- Refine the selection of components within the Bill of Materials
- Bill of Materials Health Check prior to final design freeze
- Component Last Time Buys if required
- Complete a REACH Impact Assessment

During the Concept phase it is essential to plan for obsolescence. Specific activities during this phase include:
- Developing a product obsolescence strategy
- Defining and capturing the Obsolescence Stakeholder Community
- Writing a draft Obsolescence Management Plan (OMP)

During the Assessment additional Through Life Support (TLS) activities take place including:
- The selection of components that are least likely to become obsolete
- Maturing the Bill of Materials
- Cascading contractual Obsolescence Management requirements down the supply chain
- Refining the OMP

There are many TLS activities that should be performed across the Manufacture and Support/Store phases. These include:
- Continued monitoring of the Bill of Materials for obsolescence issues
- Identification of any Form Fit Function alternatives
- Conducting Obsolescence Mitigation Investigations
- Continuation of REACH monitoring for obsolescence / support impact
- Placing any Last Time Buy or Life of Type Buy components in to Long Term Storage (LTS)
- Testing of LTS components to identify any degradation issues
- Re-design / Mid Life Upgrade options to remove obsolescence supportability risks

Explore the possibilities
www.long-term-storage-solutions.com
Long Term Storage Solutions.
Third party component storage you can trust.

Building Blocks for LTS²

Behind LTS² lies the most comprehensive understanding of component storage issues - knowledge that comes from years of perfecting the Super Dry Totech equipment range. Customers of LTS², although primarily concerned with having a reliable third-party component storage partner, will undoubtedly be reassured by the advanced technologies being deployed. These technologies include Super Dry Totech's Dry Tower, Dry Rooms and Dry Cabinets.

Safety and Security

When components are held in storage, they will only have guaranteed availability if the storage is safe and secure. LTS² takes safety and security seriously, it is an essential piece of the obsolescence management plan:

→ A controlled environment <5%rH and 14 °C (for as long as 30 years).
→ A systematic approach to labelling to ensure client’s name and important information, such as quantity, MSL and component ID from customer, appears on every tray or reel.
→ Full ESD protection.

Further ensuring component safety:

→ An advanced Minimax fire extinguishing system which does not harm components should it need to be deployed.
→ Full visual and thermal camera systems cover the storage facility and the buildings surrounding it.
→ Daily monitoring of all conditions within the storage facility.
→ Monthly inspection & testing of all equipment.

Super Dry Totech can lead a team or project with a full portfolio of services and solutions at its disposal. With a track record that covers customers large and small, Super Dry Totech can provide the confidence that obsolescence and storage issues are under control.

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