Engineering Vaulting:

- **Definition**: Engineering vaulting refers to the secure storage of engineering documents, such as CAD files, drawings, and specifications, in a controlled environment.
- **Features**:
    - Access control to ensure that only authorized personnel can view or modify files.
    - Version control to manage revisions and maintain a history of changes.
    - Backup and recovery mechanisms to protect data against loss or corruption.
- **Importance**: Vaulting ensures that critical engineering data is protected, easily accessible, and properly managed, reducing the risk of errors and ensuring compliance with standards.

3. Product Reuse:

- **Concept**: Product reuse involves using existing designs, components, or assemblies in new products. This can be in the form of reusing CAD models, parts, or entire assemblies.
- **Advantages**:
    - **Cost and Time Savings**: Reduces the need for new designs, lowering development costs and speeding up time-to-market.
    - **Consistency**: Ensures that proven components are used, maintaining quality and reliability.
    - **Sustainability**: Minimizes waste by reusing materials and designs.
- **Challenges**: Requires a well-organized system for cataloging and retrieving reusable components and ensuring that reused parts meet the specific requirements of the new product.