A maltings is an area that takes cereal grains and converts them into malt by the process of soaking the grains in water to trigger sprouting in a “steeping vessel” followed by the “germination” process, then drying it in “kilning vessel” to stop further growth. The malt is then past to a brewery for beer and whiskies but also has uses in certain foods. The role of the information systems in the enterprise is used to control which vessel the grain is going into, how much time the grain is to be spent in the steeping process, control of the CO2 levels in the germination process and the time spent in the kilning process.

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| --- | --- | --- | --- | --- | --- | --- |
|  | What  (Things/Data) | How  (Processes/Function) | Where  (Locations) | Who  (People) | When  (Time) | Why  (Motivation) |
| Scope  (Planner) | List of approved grains, storage and delivery information. This is used to identify and describe important grain, storage and delivery information. Also, to highlight the main components of information used within this business. | List of approved processing, storage and delivery techniques. This is used to identify, describe and regulate processing, storage and delivery processes. Also, as a designation of the fundamental processes shared by this business. | Company owned properties detailing the assets that exist to aid decide where would be the best location for production. | Essential employees and their department functions. This is used to identify the important organisational components of the system. | Identifying customer orders and their expected delivery dates. This is used to identify and describe important delivery events. | To ensure reliable business profits. |
| Business Model  (Business owner) | Sematic description of the malting processes. This is used to define and describe the essential types of information needed for the operation of the business. | Conceptual activity model of the malting processes. | Structure and relationship between company owned sites. | Production system workflow. | Sequence and timelines of production processes. | Meeting business targets. |
| System Model  (Designer) | Logical data model for system information. | Application architecture with function and user views. | Connectivity and distributed system architecture. | Production system human interface architecture. | Production stages and process components. | System functional requirements. |
| Technology Model  (Implementor) | Practical data model for system information. | System design, language spec and structure charts. | System information network architecture. | Production system human interface description. | Production system control structures. | System operational requirements. |
| Detailed Representation  (Subcontractor) | System information metadata. | Descriptions for component level applications. | Physical data network components, addresses and communication protocols. | System architecture and operations. | Production process timing descriptions. | Technical requirements. |
| Functional Areas  (Functioning System) | Functioning machinery, knowledge base. | User and system documentation. | Operating processes communication network. | System user information. | Production operations schedule | Technology operational requirements. |