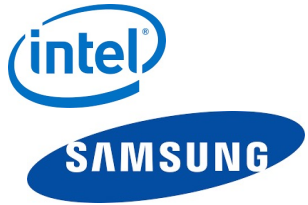


Asset Sensor Data



Example Fields

- Sensor id
- Equipment
- Sub system
- Part
- Frequency – what is the rate of reading
- Type of sensor (temperature gauge, current, rpm, etc..)
- Reading
- Range (low/high limits)
- Unit of the reading
- Quality of the sensor
- Temperature
- Voltage

CRM System



Example Fields

- Pipeline activity
- Sales personnel notes
- Contracts won / lost
- Campaign data (click through rate / open rate)

Knowledge Management



Example Fields

- Discussion forums, wiki
- Document downloads
- Type of document (Internal/External)
- Audit History (metadata)
- Posts
- Queries
- Creator Information
- Modifier Information
- Modified Date
- Version

Project-level Data



Work Order & Change Requests



Inventory Systems



Example Fields

- Day-to-day project plans and cost/schedule
- Unique Identifier
- Characteristics/Segmentation
- Creation
- Status
- Location/Site
- CAD
- Resource Plan (Planned / Actual)
- Project – link to the project
- Released to engineering
- Release to supplier
- Version
- Check-in and checkout audit trail
- Bill Of Material (BOM)
- Project characteristics
- Project status

Example Fields

- Team associated to the work order
- Equipment
- Parts replaced
- Date time of part replacement
- Start & end date time of downtime
- Labor Costs
- Material Cost
- Engineering Change Requests
- Project/BOM/Part
- Type of Change
- Created Date
- Approved Date
- Rejected Date
- Rejected Reason
- Reason/Source of Change Request

Example Fields

- SKU (Stock Keeping Unit)
- Order quantity
- Quantity available on specified date
- Projected demand
- Scheduled/unscheduled demands for spare parts

Maintenance Systems



Example Fields

- Equipment
- Part
- Date
- HR Data (permanent/temporary employees)
- Type of maintenance team (contractor/permanent)
- Part No – unique identifier
- Schedule maintenance replacement period
- Part No
- Part cost
- Planned & actual maintenance plan cost (material & labor)
- Expected costs for outage unit of time

Production Systems



Example Fields

- Equipment Failed
- Sub System Failed
- Part(s) Failed
- Date time of Failure
- Duration of outage
- Cause of failure (as specific as possible)
- Project/BOM/Part – link to project/BOM/part
- Reason/Source of Issue
- Reported by – link to employee
- Reported on
- Resolved by – link to employee
- Resolved on
- Severity
- Status
- History of the changes to the defect

Supplier / Procurement



Example Fields

- Supplier No
- Supplier contact details
- Typical delivery duration
- Reliability of supplier
- Parts relevant to supplier
- Best supplier for a specific part
- Unique identifier – link across data systems
- Project/BOM/Part - link to the Project/BOM/Part
- Location
- Financials
- Part sourced or part manufacture outsourced to supplier
- Email Address

Accounting



Product Lifecycle Management Systems



Employee Communication



Example Fields

- Billing
- Profitability
- Pricing
- Budget - is it a rolling budget or fixed budget?
- Expenses
- Revenue
- \$ Sales Generated
- \$ Budget
- \$ Expenses
- \$ Profits
- Price Exceptions

Example Fields

- BOM model
- Doc version control
- CAD metadata
- Engineering Change Requests
- Supplier
- EBOM & MBOM

Example Fields

- Email metadata
- Calendar metadata
- IM metadata
- Phone metadata

- Project – linked to the project
- Type of budget item
- Employee – link to the employee
- Project – linked to the project
- Supplier – linked to the supplier
- Type
- Project - linked to the project
- Type of revenue item
- Currency
- Conversion Rates

- planned vs actual WBS
- resources tied to WBS
- design to engineering releases
- # CAD revisions
- FPYR
- # ECRNs tied to customer, design, material, operation, human & software

- Email responses
- Call duration

Time Sheets



Example Fields

- Employee – link the time against a specific employee
- Project – link time against a specific project
- Category/Task – link time against an activity in the WBS
- Date
- Mon to Sun (Hours)
- Mandatory weekly hours per employee
- Approved timesheets

HR



Example Fields

- Organization data
- Tenure
- Training & skills assessment
- Unique Identifier
- Email Address
- Qualifications
- Previous Employment History
- Job History
- Travel
- Role
- Supervisor
- Location/Site
- Department
- Performance
- # Months at role
- Termination Date
- Employment Date
- Effective Date
- Travel Duration
- Employee – link to the employee
- Project – link travel to a specific project
- Schedule
 - Departure and Arrival Locations
 - Start & End Date