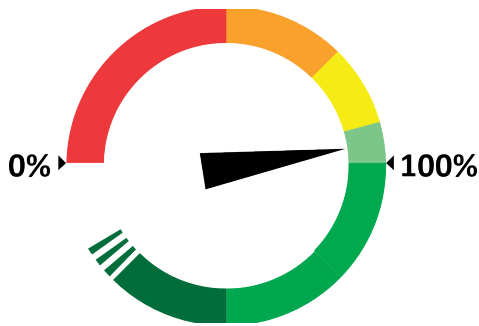


# Systems Engineering

## SQUARE

Squoring Technologies delivers an innovative decision-making dashboard for managing the effectiveness of software and systems engineering projects.

INCOSE SE Leading Indicators / ISO/IEC 15288 / ISO/IEC 15939



**In the last few years, Systems Engineering (SE) has become a leading discipline for all major industrial companies delivering complex critical systems.** Despite this, programs and project failures remain too frequent due to increasing complexity, stakeholder diversity, engineering tool silos and heterogeneity... all leading to communication breakdown.

**As stated by the INCOSE, the SE Management Process should rely on measurement information both for objective and impartial decision making** and for accurate prediction on expected project performance and potential future states.

*Squire Systems Engineering provides visibility on:*  
*How a specific project activity is likely to affect system performance objectives.*  
[INCOSE - International Council on Systems Engineering - SELI Guide]

**Squire Systems Engineering** contributes to your project success and affordability by efficiently:

- Ensuring objective and trust-building communication between project stakeholders.
- Committing teams to project requirements and objectives.
- Making informed decisions and taking actions based on accurate and relevant indicators.
- Preventing the risk of missing key milestones.
- Broadcasting best practices and lessons learned.
- Reducing review costs and efforts.



Visit  
[www.squire-systems-engineering.com](http://www.squire-systems-engineering.com)

 **SQUORING**  
Technologies

# Innovative features dedicated to managing systems engineering projects.



For each System in the portfolio, the Squore dashboard provides continuous update of measurements and KPI, and the follow up of SE indicators all along the life cycle. This can be done periodically or at key milestones.

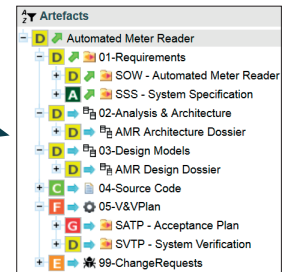
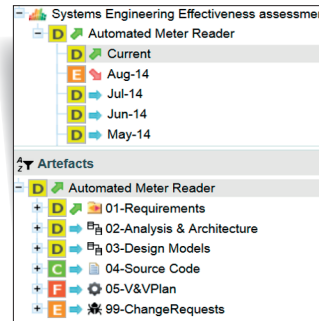
→ **Data import capabilities from third party tools** already in use for requirement management, configuration and change management, modeling, coding, test management.

→ **“Out-of-the-box” standardized control points and Key Performance Indicators** based on industry best practices and INCOSE SELI specifications.

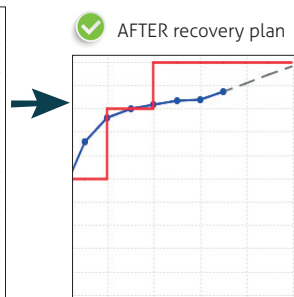
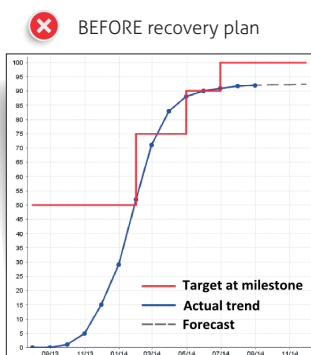
→ **Predefined analysis models** in accordance with ISO/IEC 15288 and ISO/IEC 15939 standards.

→ **Synthetic view of development progress:** immediate detection of regressions and deviations from plans.

→ **Unrivaled in-depth analysis:** risky work products are immediately identified, down to the most elementary configuration items.



The Squore drill-down combined with powerful filtering enables to quickly identify non-compliant artefacts or those that have regressed such as ambiguous requirements, complex design diagrams, unclosed change requests, etc.



Requirement coverage trend: the Squore dashboard warns users that the targeted coverage will not be achieved and proposes preventive action plans.

→ **Trend analysis and forecast:** highlighting the gaps between actual values and key milestone objectives.

→ **Easy comparison with other similar projects** enabling objective and impartial decision making.

## Already available

### ETL capabilities

- › Requirement management: DOORS, Reqtify, Excel
- › Modeling: Scade, UML tools, Simulink
- › Change management: Mantis, Clearquest, JIRA
- › ALM: PTC Integrity, TFS, Eclipse

Platforms › Windows, Linux.

- › Continuous Integration: Jenkins, CruiseControl
- › Software development tools: Klocwork, QA-C, PC lint, Logiscope, R-TRT, ClearCase, Synergy, Git, Svn...