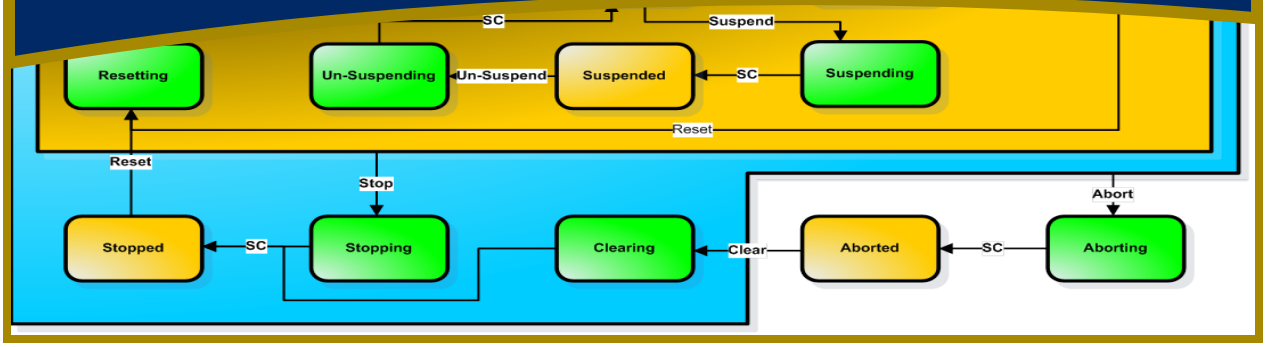
PackML at E-Technologies Group

Service

Faster Project Execution. High Quality. Less Risk.



Challenge

- **Are you adding a new packaging line or retrofitting an existing line and need an instantaneous startup?**
- **Do you need a more efficient way to gather production data for OEE or MES in a multivendor environment?**
- **Do you need a more consistent set up between all your machines for faster programming?**
- **Is there excessive training time needed for operators on different machines?**

Solution

Standardized approaches for machine code development and visualization offer a viable solution to the many challenges facing both OEMs and end users. Benefits include:

- Reduced Code Development Time
- Increased Reapplication of Standardized Code
- Standardized Libraries can be Developed and Shared
- Improved understanding of Machine Operation
- Improved Vertical and Horizontal Integration
- Improved OEE through Consistency of Equipment

PackML is a standardized machine language that have been developed through a collaborative effort involving end users, OEMS and integrators. It's principles of application can be found at www.omac.org.

E-Technologies Group has been supporting the continuing development and deployment of this standard. We provide training, consultation, full PackML and PackTag only code development, code evaluations and line integration to our customers. Our services are offered all over the globe both face to face and remotely.

PackML an OMAC standard

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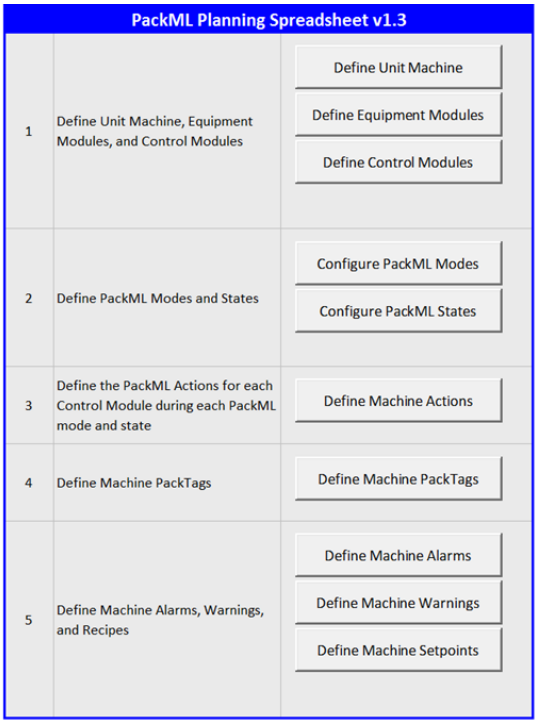
Our Services

- PackML Implementation (Both PackTags and full PackML architectures)
- Support OEM Projects
- Integration to OEM Equipment
- OEM PackML scorecard evaluations
- Customized or Standard PackML Training
- 24/7 support line for PackML installations
- Use PackML to gather OEE and downtime tracking data for end users



E-Technologies Group PackML Training

E-Technologies Group conducts PackML training internally as well as externally.

We have conducted external training in:

- Atlanta, Georgia
- Lodz, Poland
- Kansas City, Missouri
- Cincinnati, Ohio

Why E-Technologies Group

E-Technologies has a wide range of experience with various forms of PackML:

- E-Technologies is a PackML Technology Provider
- 11+ Fully trained engineers on PackML
- 2 Certified trainers training approximately 100 people/yr
- Implemented PackML for 30+ projects
- Familiar with multiple PackML platforms: OMAC template, Power Programming, others
- Creation of full PackML logic for multiple OEM's
- Creation of Packtag only logic for multiple OEM's
- PackML optimization to streamline applications and logic
- Long standing work history utilizing PackML for Line Control Systems
- Utilizing PackML capabilities for 1 day line installation (Empty plant floor to operational line in 24 hours)
- Global assistance for OEM support on machine design using PackML
- Proven results in concept and in the field

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