

LaCam® Software Solutions – Steel Production Assistant System (SPAS)

Our Steel Production Assistant System (SPAS) is an expert system that builds on LaCam® 3D software, delivering a deeper, smarter analysis of vessel data.

Beyond comprehensive standard analytics, SPAS provides:

- **Forecasting** of vessel conditions
- Immediate **maintenance alerts** via an intuitive traffic light system
- Clear **decision support** for operators, when it matters most
- Tool for **post-analysis** of campaign and vessel data to find failure modes or improve production processes by the Engineering Team

By capturing data from every heat in a campaign, SPAS creates a seamless digital record of a vessel's entire journey. This enables on one hand fast, accurate decision-making and significantly accelerates the learning curve for operators, on the other hand SPAS is a powerful tool for **post-analysis** by experts.

SPAS is designed to preserve and transfer the vast experience of seasoned steelmakers—making this knowledge accessible to the next generation and to capitalize on the data wealth for process improvements.

With SPAS, steel mills can:

- Extend vessel lifetime through selective, **condition-based** maintenance
- Detect **failure modes** early using historical and real-time data
- Run vessels longer at **maximum capacity** while maintaining safety
- Decide **on the spot** how to move on with the current vessel state

The result: predictable vessel behavior, optimized production output, and safer operations.

#Steelmaking #Digitalization #IndustrialAI #SPAS #LaCam #MINTEQ

