

Questionary for LaCam-Torpedo-measuring system

Customer: _____

Address: _____

Contact: _____

Email: _____

Basic information

Annual production of pig iron _____ t

Total number of Torpedo ladles _____

Number of Torpedo ladles in daily operation _____

Average ladle capacity _____ t

Average through put _____ t

Number of heats per day _____

Total through put (whole campaign) _____ t

Refractory assessment

Do you repair your refractory lining today (Yes/No)? _____

under cold condition (Yes/No)? _____

under hot condition (Yes/No)? _____ at what temperature? _____ °C

What type of assessment do you perform?

Visual inspection of refractory (Yes/No)? _____ How often? _____

Thermo imaging (Yes/No)? _____ How often? _____

Scheduled cold inspection (number of heats or through put) (Yes/No)? _____ How often? _____

How is the procedure? Cool down ___ days, refractory repair ___ day, heat up ___ day.

Others: _____ How often? _____

How would a system for measurement of your hot Torpedo ladles would impact your inspections and maintenance?

Examples: Reduction of cold inspections, prompt refractory maintenance instead of scheduled maintenance. Save one cold inspection = 5 days plus in availability plus energy costs for heating

How important is the development of a refractory maintenance system for hot Torpedo cars for you?
0% = nonrelevant, 100% = very important _____ %

How do you value the potential for optimization for the following points:

Safety, Fire protection

Risk of break throughs _____ %

Refractory

Prolongation of refractory life time _____ %

Optimization of lining quality _____ %

Energy, Environment

Saving of energy costs (heating) _____ %

Ladle logistics:

Increase of availability _____ %

Increase of utilisation _____ %

Optimization of number of Torpedo ladles _____ %

Saving of refractory costs _____ %

Are you using public railways (Yes/No)? _____

Charing level, filling weight

LaCam Torpedo is able to determine the exact inner volume of the Torpedo ladle.

Out of that the optimum filling weight can be calculated.

Out of the known filling weight the exact charging level could be determined.

Do you measure the charging weight (rail-car scales)? _____

Question to technics:

At what location you would install a LaCam Torpedo measuring system?

Common tapping temperature? _____ °C

What temperature the tempordo car would have at above mentioned location?

Minimum temperature _____ °C

Maximum temperature _____ °C

How many ladle would be measured per day?

Suggestions for optimization of the LaCam Torpedo measuring system

Are you interested in having a LaCam Torpedo measuring system? _____

Are you interested in getting updates on the LaCam Torpedo measuring system? _____

Thanks for your support!