



proExpert

Problem:

Blast furnace process is governed by a complex set of operative practices. The operator has to choose the most correct one on the basis of his experience and skill.

Solution:

proExpert is an expert system proposed with two different approaches:

- Operative practices based
- Indexes based



Throat

Shaft

Bosh

Raceway

Hearth

Operative Practice	Index
Excellent for well known processes (exhaustive practices)	Answers to NOT well known processes or "light" practices.
For plants with poor field data	Better field data, better results
Excellent for handling low complexity practices	Easy management of complex controls
Good results for special situation such as plant starting/stopping etc	Ideal for continuous monitoring
	Useful for forward control action
	Very easily tunable

Benefits:

- Process stability
 - Improved comprehension of the blast furnace phenomena

Industrial Arrangement:

L1 and L2 blast furnace process data available.

