

# MPT

## INTERNATIONAL

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**10 years PQF® technology: international symposium on tube and pipe production technology**



## Editorial

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### 3 Challenges ahead

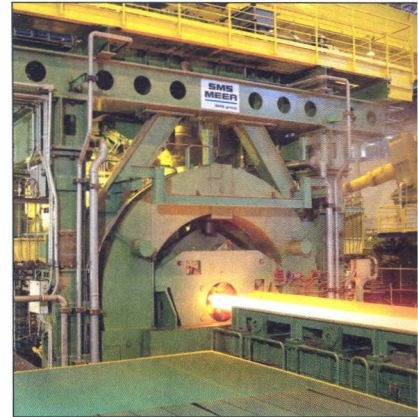
To optimize efficiency, flexibility and operational cost is one task with the steel industry is tackling this year

## Events

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### 24 Symposium on tube and pipe production technology

Celebrating the 10th anniversary of the PQF® technology, SMS Meer hosted an international symposium in Mönchengladbach, Germany, in September 2013



Cover photo  
16" PQF® seamless tube plant at  
VSB Vallourec & Sumitomo, Brazil  
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E-mail: [serviceline24@sms-meer.com](mailto:serviceline24@sms-meer.com)

## Material flow logistics

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### 26 Analysis of scrap yard layouts to optimize efficiency, flexibility and operational cost

Production figures and operational costs of mini-mills highly depend on the scrap storage policy

## Innovation

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### 34 Jet process converters to be operated even without hot metal charge

Siemens has developed a bottom-blowing converter that makes it possible to blow in oxygen, lime and coal through bottom tuyeres

## Steelmaking

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### 36 Lifting systems for RH-type vacuum degassing plants

For dipping the snorkels into the heat, various types of lifting equipment have been developed to match the request for short cycle times and highly efficient vacuum treatment

## Modernization

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### 48 Successful start-up of the new EAF at Ferriere Nord, Italy

In order to improve the melting process and optimize maintenance operations, the Italian steelmaker has replaced the existing EAF within only 38 days

### 54 ThyssenKrupp restarts hot strip mill No. 1 after major upgrade

Following more than two years of work and 240 million euros investment, the upgraded plant is now back in full operation

## Professional development

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### 56 TECademy provides professional trainings for plant operators

SMS Siemag has founded an international seminar and training academy for the global metallurgical and rolling mill industry





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