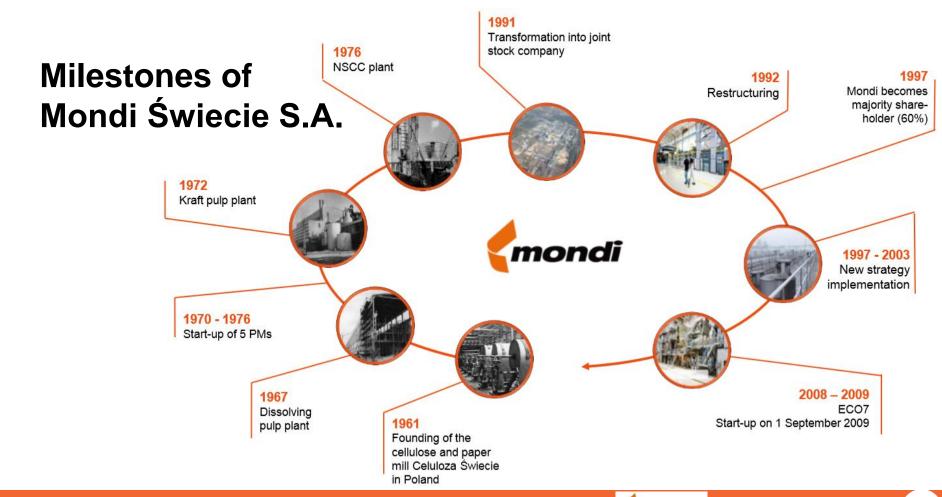


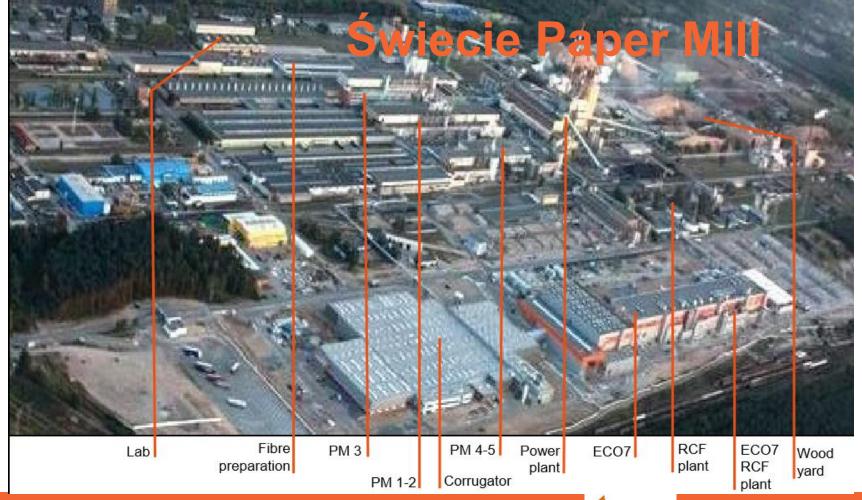
PI System Implementation: From Mill-wide to **Enterprise-wide Data Infrastructure**

Presented by Maciej Koszur, PMP

Process-IT Manager, Mondi Świecie S.A.







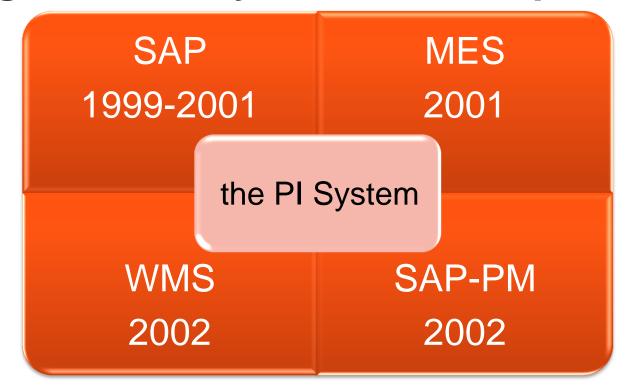
Key Figures of Mondi Świecie S.A.







Background of Systems Development



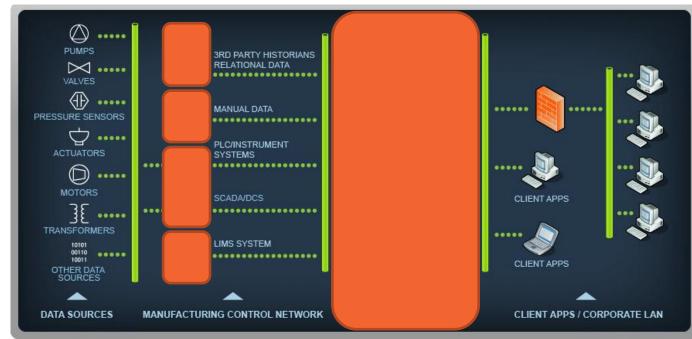
Islands of Production Systems in Świecie (2002)

DCS, QCS: Honeywell, ABB, Emerson, Metso,

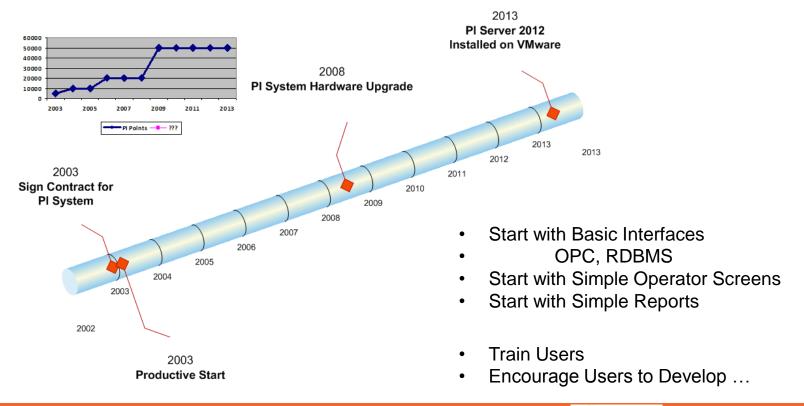
ORACLE, SQL (MES, EMS)

Manual Data: Shift Log Book

<u>LIMS</u>: AutoLine 300



Implementation of the PI System in Mondi Świecie



Implementation of the PI System in Świecie

- Scope of Implementation with Plantsoft in 2003
- PI System MS Cluster installation of PI Server with 5.000 Data Streams (now 50.000 Data Streams)
- Interfaces PI OPC, PI UFL, PI RDBMS
- Clients Professional (25), Pl ProcessBook & Pl DataLink(30), Pl DataLink (20)
- PI ICE 5 Licenses (now evolved into PI WebParts)
- Engineering Software Installation, Laboratory Applications, Quality Certificate Report, and Paper Machine 3 Process Visualization and Profiles View

The PI System in Mondi Świecie S.A. over 10 years of experience













Laboratory Applications, Operators LogBooks,

PI Interfaces,

PI Server, PI AF Server, PI Module Database, Energy Monitoring, Operators Quality Overview,

PI ACE (Advanced Computing Engine), PI MCN Health Monitor, SMS notifications received on mobile,

Paper Quality Repo

PI Notification,

Process Control Screens, Profiles Views, Reports,

PI ProcessBook

PI DataLink,

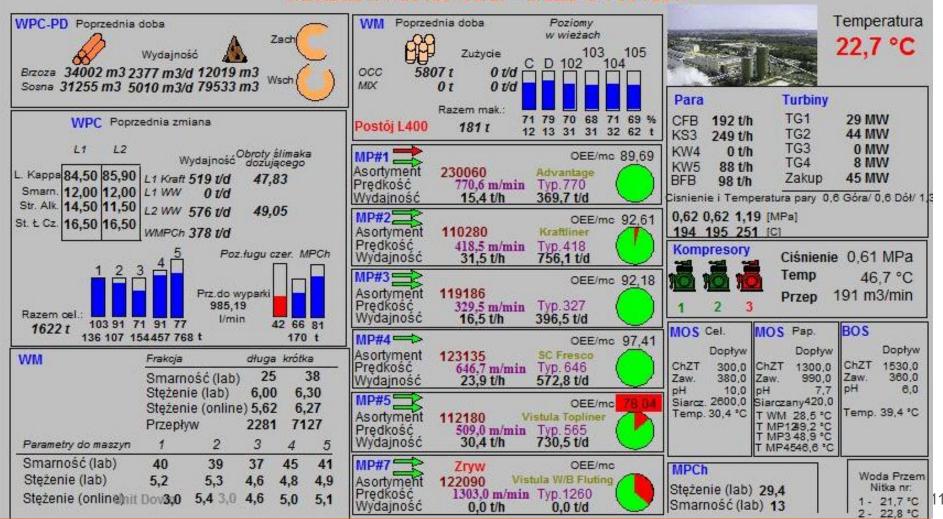
PI WebParts (formerly RtWebParts),

PI Profile View,

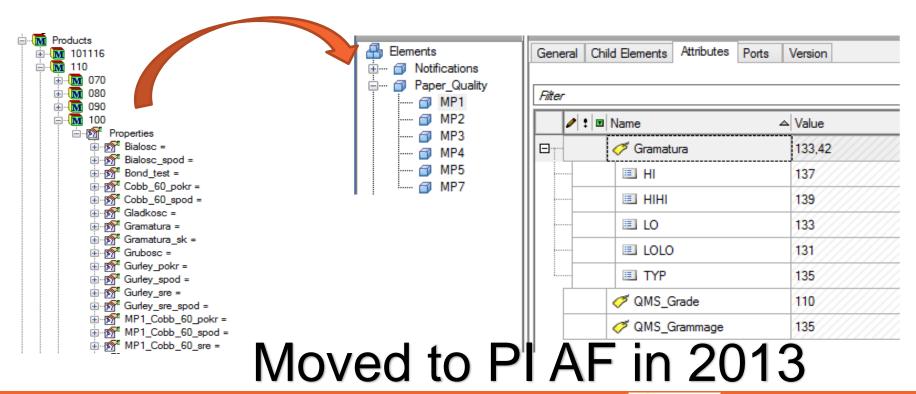
PI Control Monitor,



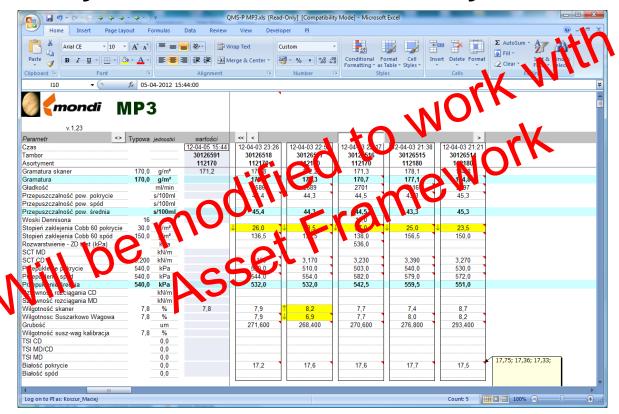
Mondi Świecie S.A. - Mill Overview



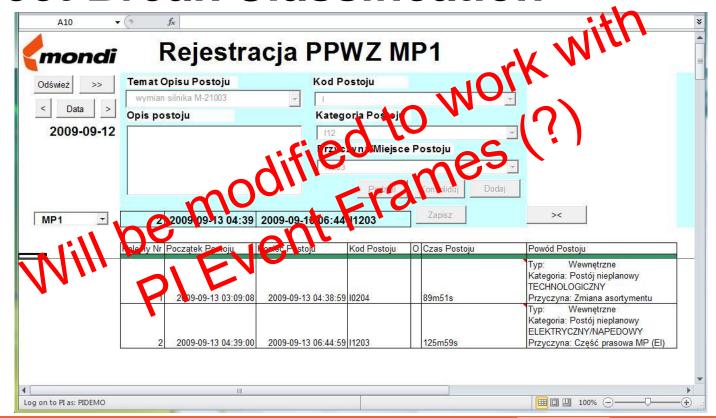
PI Module Database for Storing Quality Data Limits



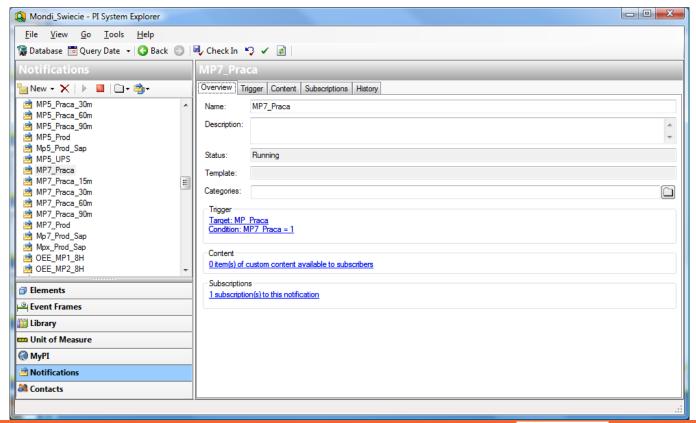
Paper Analysis Available Immediately after Lab Check



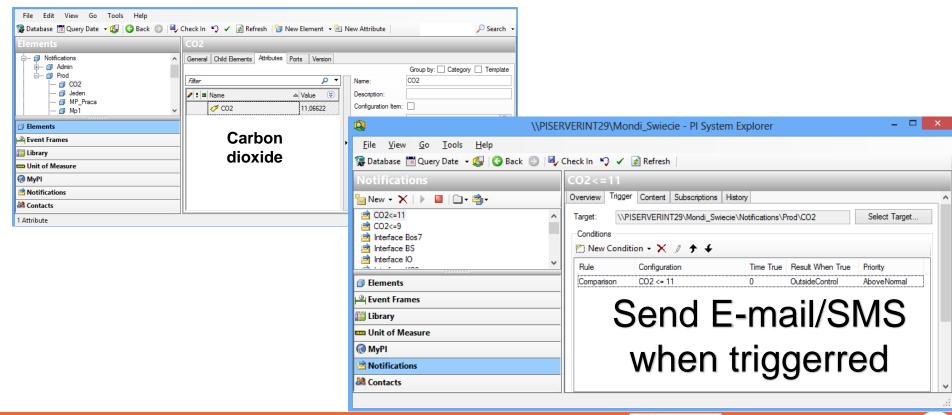
Sheet Break Classification



PI Notification Rules Based on Sheet Break Time

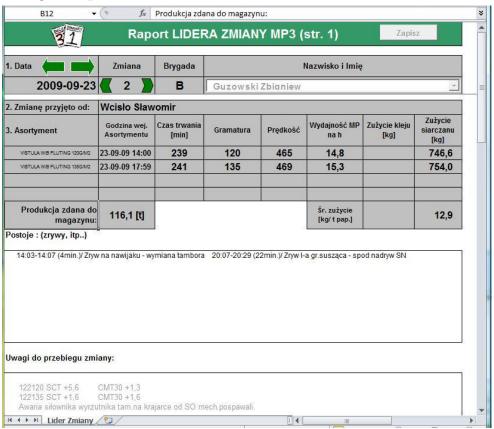


PI Notification – Notifying Vendor about CO₂ stock

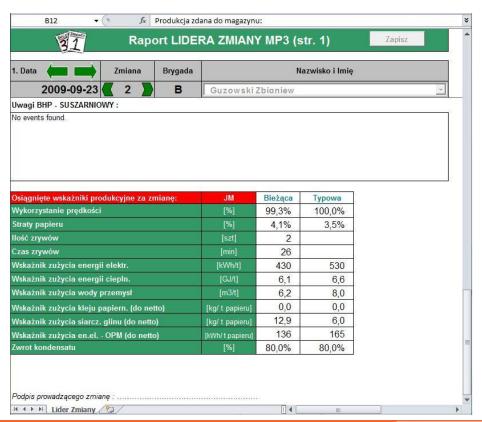


Paper Log Books Replaced by Spreadsheets

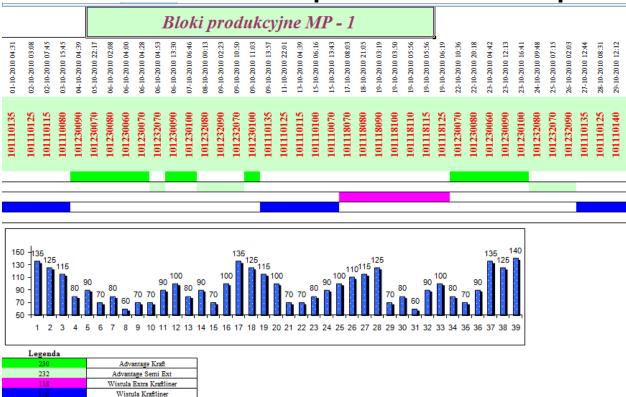
Linked to the PI System



Shop Floor Operators Performance Available While on Job



View to the Future Allows to Prepare Power Plant Operations



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Extensible Sack Papier



Maya people were right.

There was in fact an END in 2012...

...they just forget to tell us, that we will be able to use PI Server 2012 afterwards.

Maciej Koszur

maciej.koszur@mondigroup.com

Process-IT Manager

Mondi Świecie S.A.

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