



research bridges railways tunnelling monitoring technology management international

SPV – Spinbath Building Line 1-3

The condition of three reinforced concrete buildings in an industrial plant for the production of viscose rayons is determined and evaluated in order to plan their maintenance and further operation. The buildings are between 20 and 30 years old and partly exposed to considerable process-related stresses by water and chemical impacts.

The individual production lines consist of several buildings which have a very similar construction type but have been stressed to a different extent by the operation so far. In the course of the analysis load zones and condition matrixes are established. On this basis calculational, global and local life-time parameter studies are prepared as a basis for potential maintenance and rehabilitation measures in terms of a priority plan.

The present analysis can be seen as a preliminary stage of the future maintenance management system.

- Client: South Pacific Viscose
- Location: Java, Indonesia
- Checking Period: 2014
- Services: Condition Assessment and Risk Analysis,
Life Cycle Engineering,
Maintenance Planning



BRIMOS® Services conducted:

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|------------------------------|---|---|--|--|
| Lifecycle Management: | <input checked="" type="checkbox"/> <u>Condition Assessment</u> | <input type="checkbox"/> Condition Monitoring | <input checked="" type="checkbox"/> <u>Rehabilitation Planning</u> | <input type="checkbox"/> Quality Control |
| | <input type="checkbox"/> Lifetime Assessment | <input type="checkbox"/> Traffic Analysis | <input type="checkbox"/> Environmental Influences | <input checked="" type="checkbox"/> <u>Risk Assessment</u> |
| Special Measurements: | <input type="checkbox"/> Attendant Monitoring | <input type="checkbox"/> Noise and Vibrancy | <input type="checkbox"/> Deflection Measurements | <input type="checkbox"/> Seismics |