

# Production line survey (PLS)

## Protective



### Description

Hempel's Production line survey is designed for customers that seek additional improvement in their operations or customers that have identified a problem and need expert advice.

Typically, the recommendations would result in improvement in material usage, working capital, efficiency, safety and quality achieved. This service can be adjusted to the specific objectives of the customer but would normally contain a pre-briefing, on-site evaluation and comprehensive recommendations.



### Coating advisor

The production line survey is an intensive and structured process carried out by experienced and trained coating advisors.

A final report including the main areas for improvement will be distributed.

## Pre-project review

- Review and study of necessary documentation:
  - Customer specifications, product data sheets and safety data sheets
  - Process documentation
  - Quality Control Procedure/Plan for corrosion protection
  - Relevant policies
- Coordinate and obtain approval for relevant steps (interviews, study of documents like work place description, supply documents, etc)
- Define the scope of the production line survey with customer and define customer expectations, if any.

## Site visit

Interview workforce on site and document the findings.

Map out the process flow including the process parameters.

Pretreatment and surface preparation.

Application and drying – document observations and recommended possible areas for improvement(s) (AFIs)	Paint kitchen
	Paint booth
	Oven
	Process equipment
	Materials
	Personnel protective equipment (PPE)/ Health, Safety and Environment (HSE)
	Logistics
	Competencies and work processes
	Quality control tools

Post treatment and handling	Logistics
	Storage

Document the observations and recommended areas for improvement(s) (AFIs) if needed.

## Reporting

Distribute the Production Line Survey - feedback report containing	Executive summary identifying the major strengths and recommended areas for improvement
	Detailed observations
	Possibility for a face to face debrief

## Conditions

Hempel's Technical Service is provided subject to this Technical Service Data Sheet and the current version of Hempel's General Conditions of Sale, Delivery and Service.

Technical Service consists of surveying on site, advising, and reporting to the customer, as described in this Technical Service Data Sheet, on the project progress and the conformity of the application of Hempel products with the product documentation consisting of project specification (where applicable), Product Specification, Product Data Sheets, Material Safety Data Sheets and any other product information provided by Hempel in writing, to aid the customer's acceptance of work. Any additions or changes to the scope of services defined herein shall be agreed upon in writing, by all parties involved, before the start of a project.

Hempel's Technical Service is provided by Hempel's coating advisors. Hempel's coating advisor will be ensured by the customer:

- Appropriate access to the work site according to local HSE regulation(s) and project schedule
- Safe working environment and site-specific safety training
- The use of access equipment, inside the coating advisor's competences
- Access to an approved customer representative for site decisions and corrective actions

If the customer fails to ensure the above access, security and health conditions to the satisfaction of the coating advisor, the coating advisor is entitled to suspend performance of its services with immediate effect until the conditions have been met, following a written notice hereof to the customer, without being in breach or otherwise liable for any failure or delay in the performance of its services obligations.

## Limitation of Liability

Hempel's liability for the provision of Technical Services shall at any time be limited to the value of the Technical Services provided by Hempel for which the customer has paid.