

Grid Assets

Full life cycle management of your
linear assets



minsait

An Indra company

Grid Assets

Smart distribution network management for grid assets through the digitization of processes

The importance of having a well managed grid

Linear assets embrace power lines, pipelines, rails, roads... it is considered also as part of a linear asset network every element needed for its management and maintenance; elements such as switches, poles, valves, spotlights and so on.

The nature of the linear assets regarding the management of spatial heterogeneous infrastructures entails a concrete set of solutions and processes to boost reliability, efficiency and safety in their complex management. Minsait's portfolio for linear assets provides advanced solutions adopting the latest technologies

An end-to-end offering for linear assets

Global Renovation of processes and services

Digitize and apply new technologies such as AI, Virtual Assistant or Machine Learning on all the operational processes and services.

Linear Asset Management solutions

Centralize all asset information in a digital model used by all its agents. It enables synergies between all the stages of the asset life cycle and provides coverage in all the phases:

- 1. Planning.** Medium-long term planning and traceability of the asset lifecycle
- 2. Design.** Automation and management of asset design taking into account the existing regulatory framework and synergies with the work execution
- 3. Execution.** Works management using new trends in technologies
- 4. Maintenance.** Solutions for the predictive, preventive and corrective of the asset maintenance, considering new approaches based on AI-VA, drones, IoT or edge processing with the objective of reaching a near close "none failure" environment.

Impact on all stages of the asset life cycle



Cost Reduction

OPEX and costs associated to the work process and budgeting are reduced thanks to automations in the design.



Improved Quality

Improved quality of service thanks to reducing time through automation and maintenance anticipation using VA techniques.



Improved Corporate Branding

The agility and flexibility brought to the asset lifecycle implies an optimization that shortens the Time-to-market and improves the quality of service.



Increased Efficiency

All information gathered, created and used by all agents in the asset lifecycle achieve efficiency improvements of processes and systems.



References

+50

Minsait solutions implemented in linear asset management

Impact

+99%

Savings in data reconciliation between design and work

-25%

Reduction in job maintenance

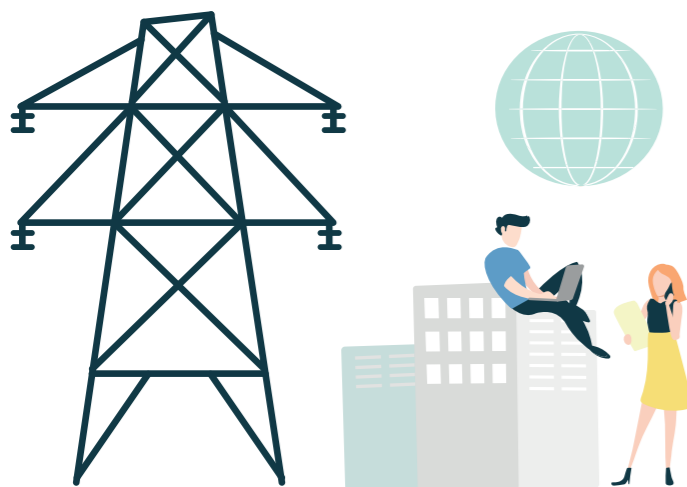
+70%

Savings in engineering processes

-99%

Time to market work design

Source: Internal analysis and projects underway.



Mark Making the way forward



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