PI System As A Core Of Outotec's Remote Services

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Outotec

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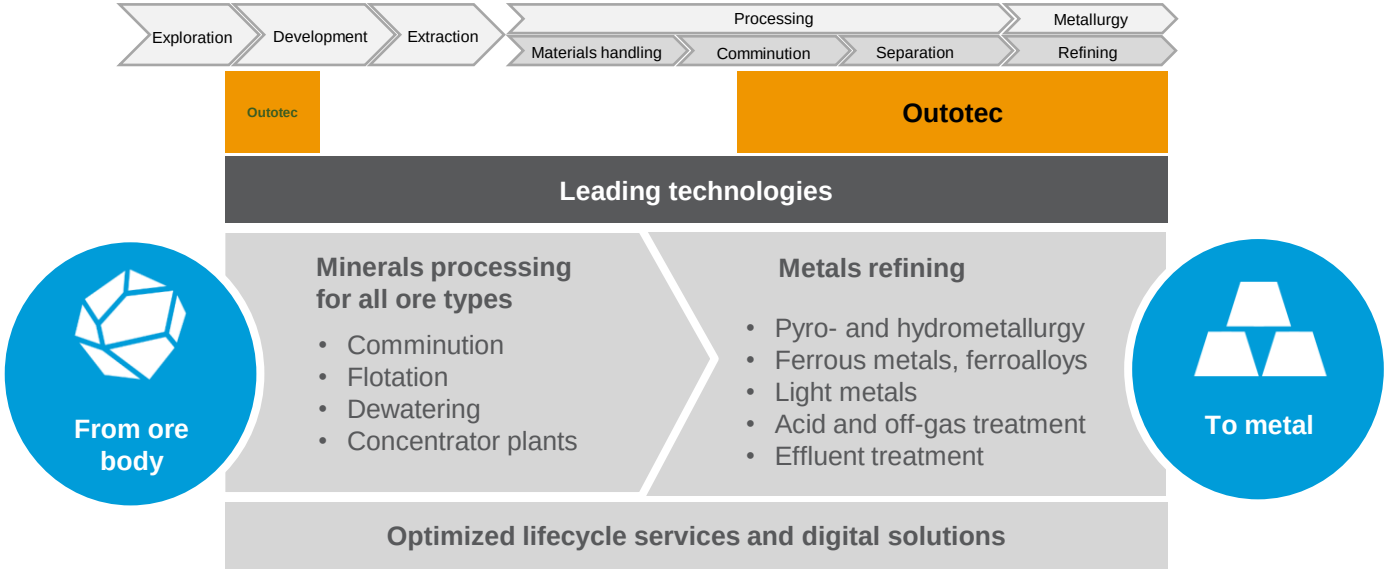
Outotec – a process technology company

- Global leader in minerals and metals processing technologies



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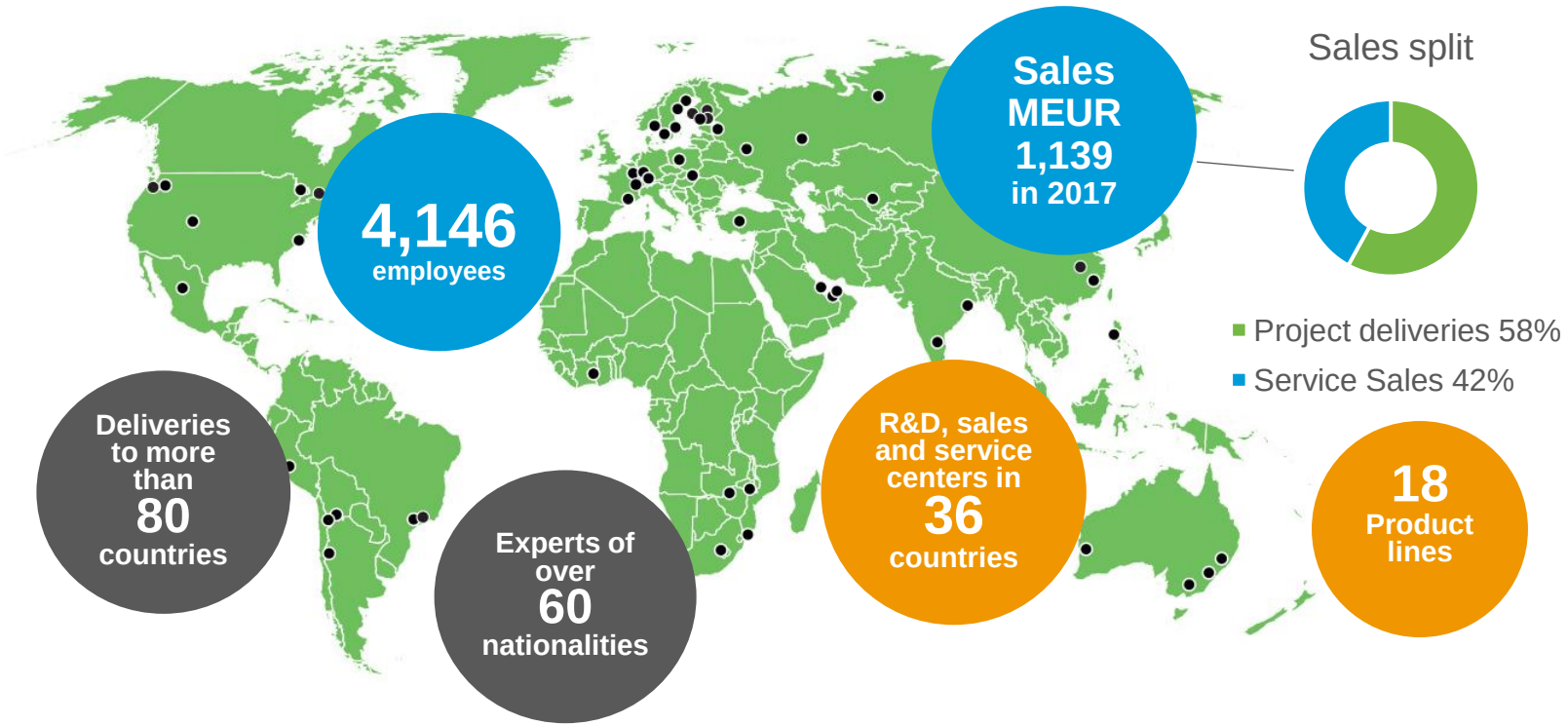
Local operations, global presence



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Remote Services

Expertise, reachability, continuous improvement

Together for the same goal

- Long-term continuous improvement improving customer productivity
- Fast resolution to production issues

Reachability

- Fast reaction upon request
- Best expertise on Outotec technology

Compliance with regulations

- Information security ensured
- User Access Management
- Environmental Reporting

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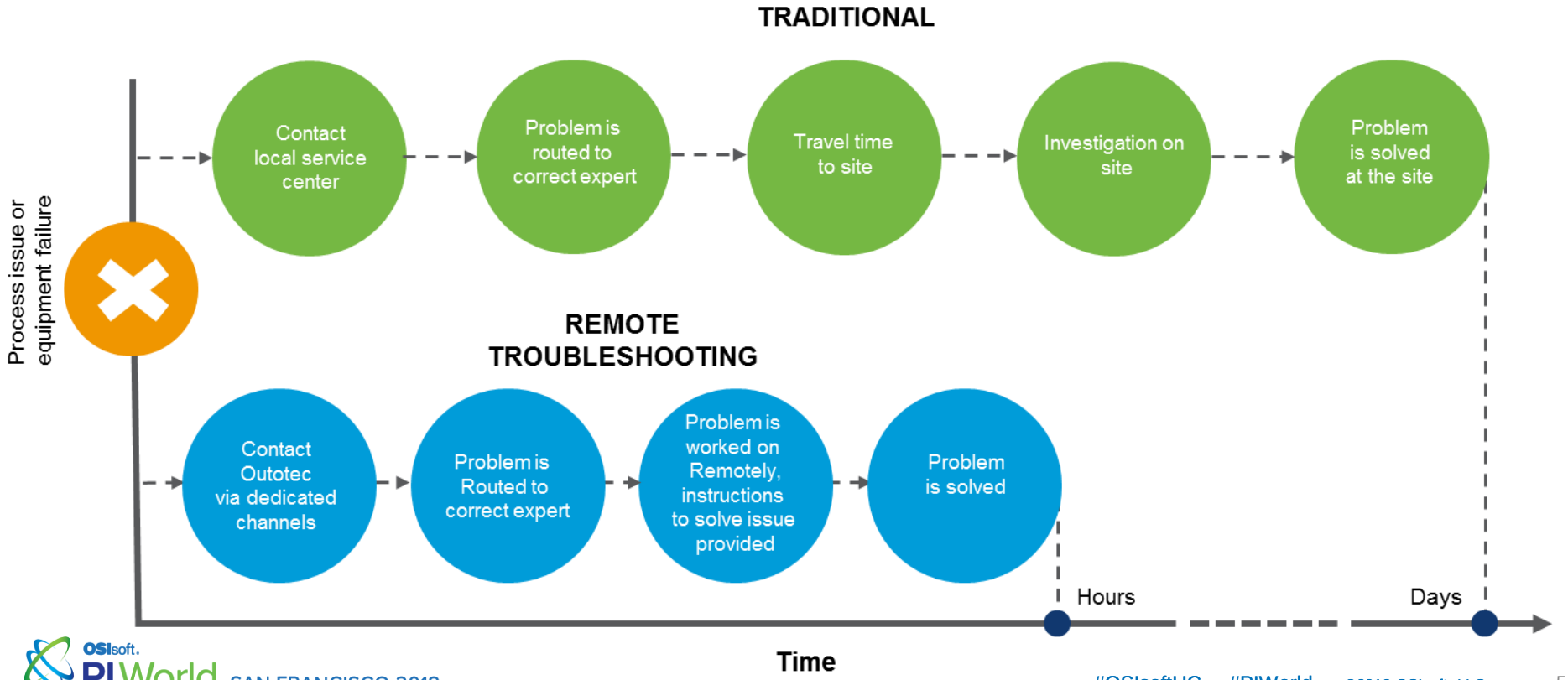
Remote Troubleshooting

Fast way to recover production



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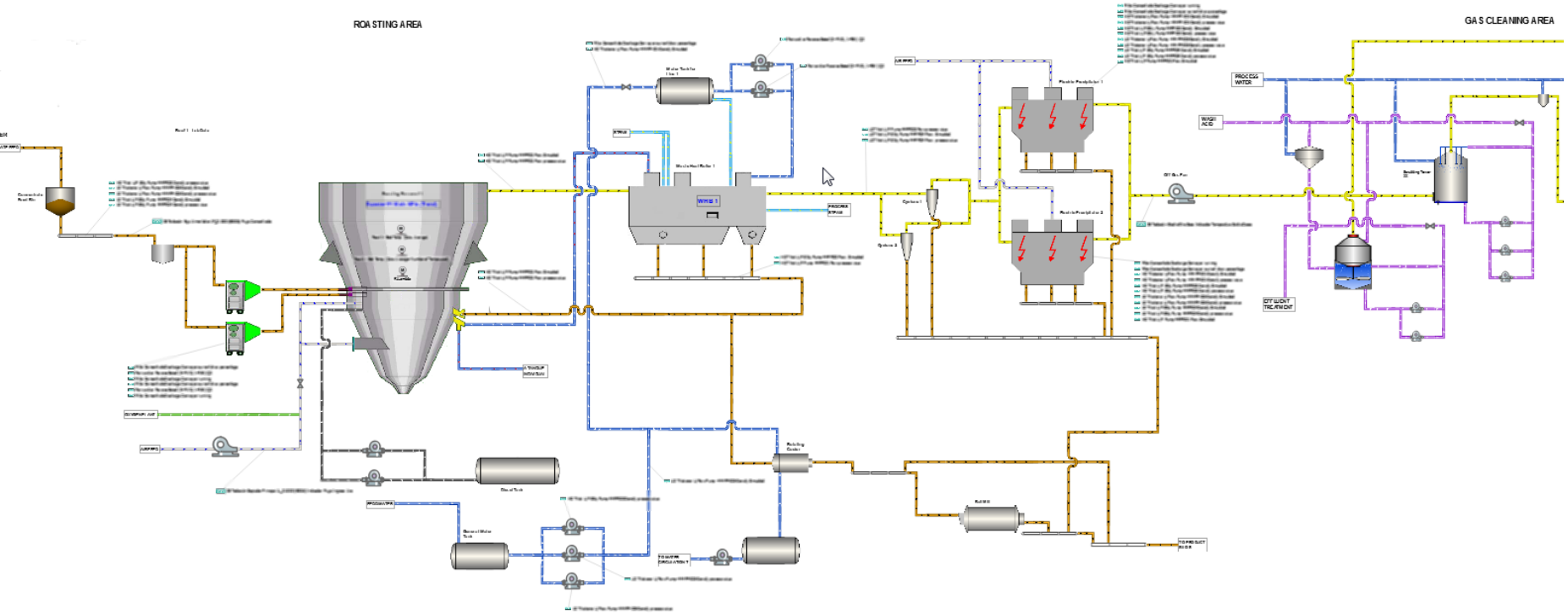
Wedge

Advanced analytics based on process data



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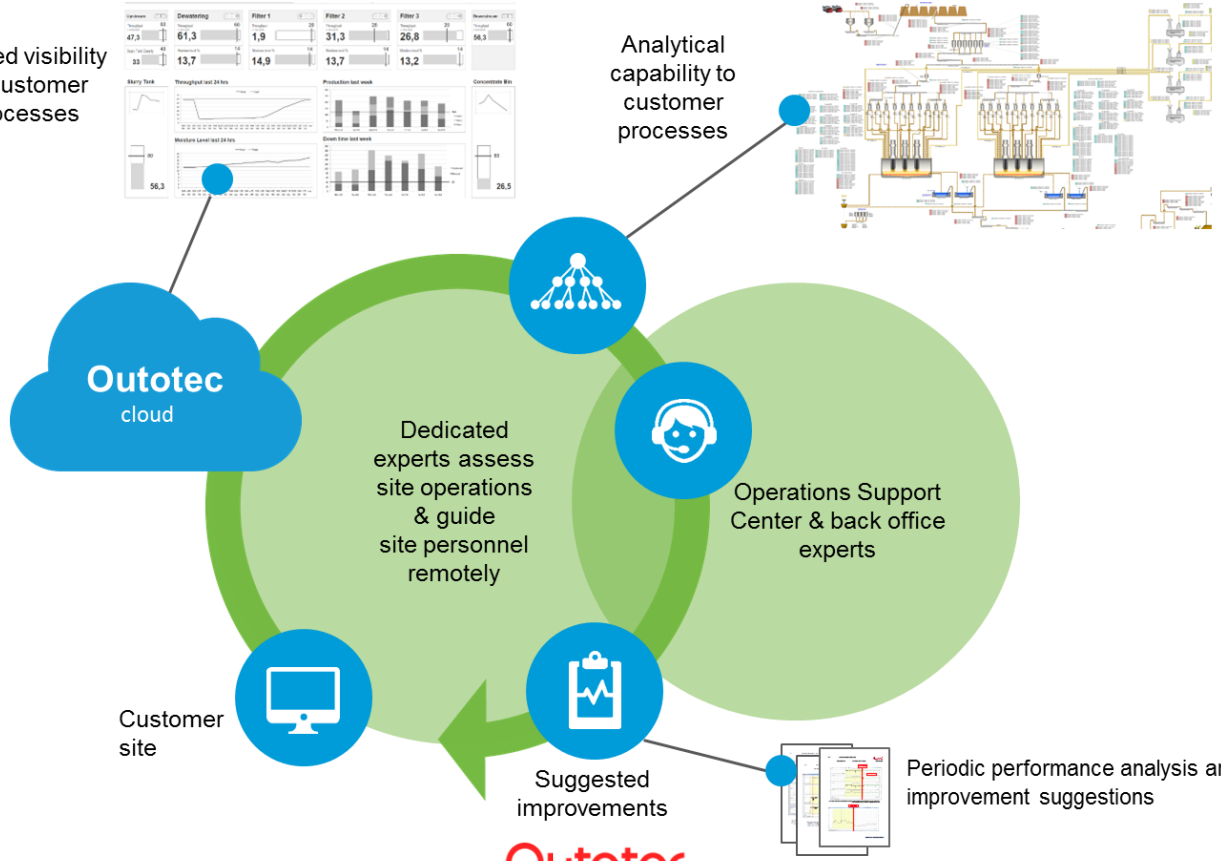
Remote Assessment



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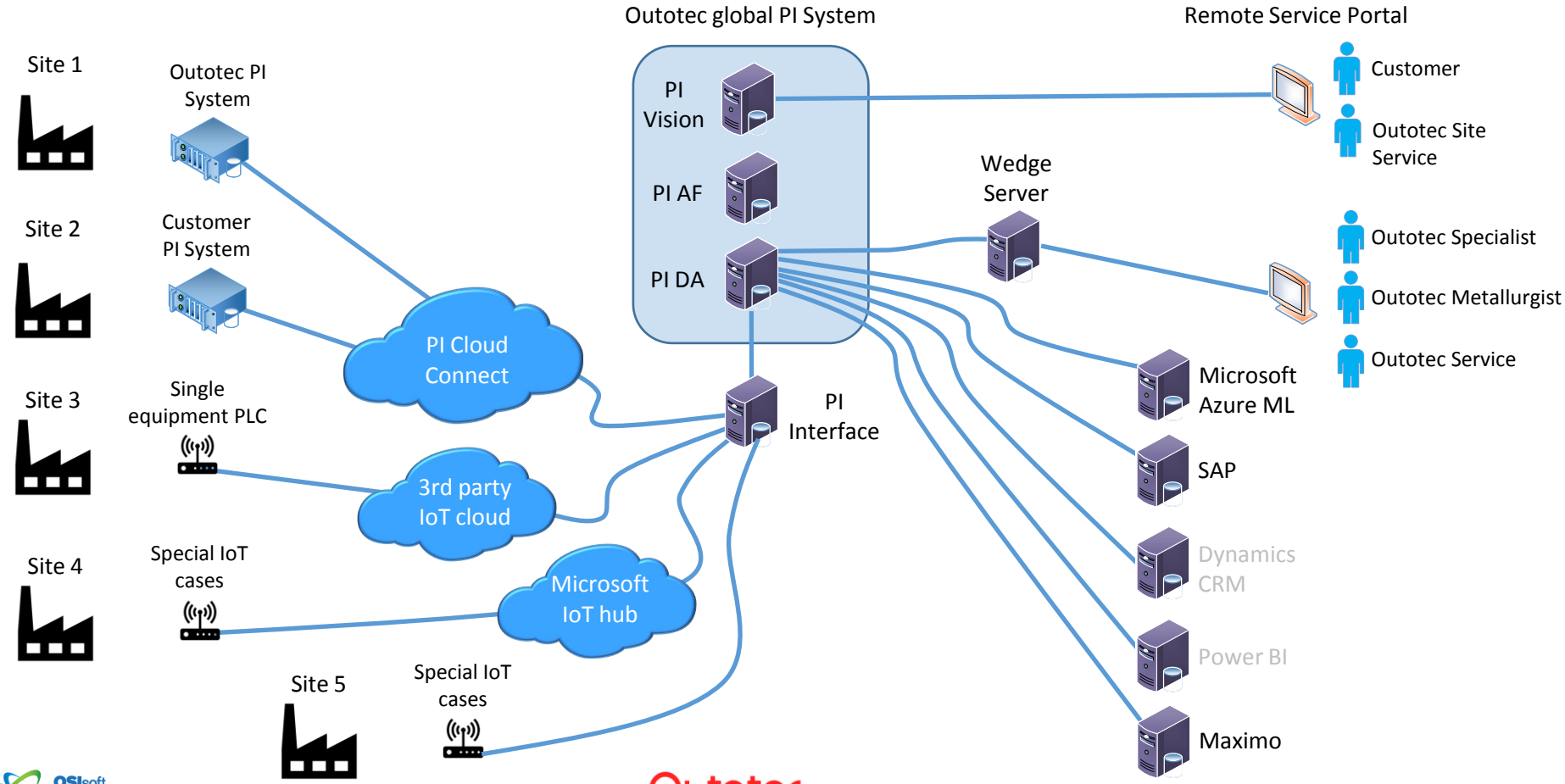

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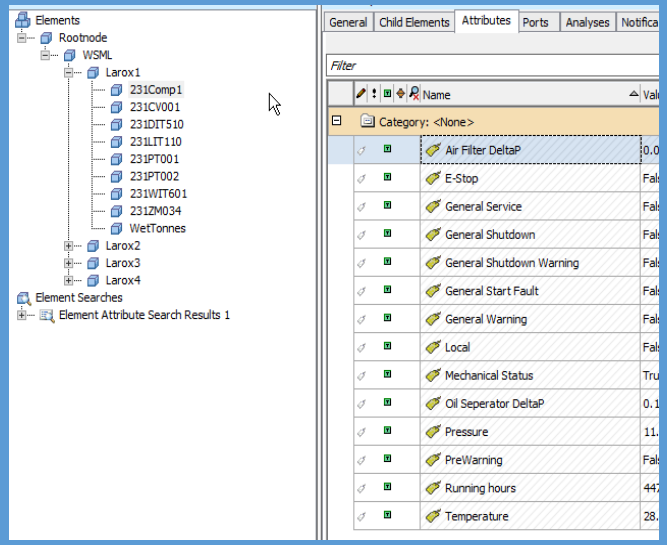
Asset Framework Enabling fast Deployment

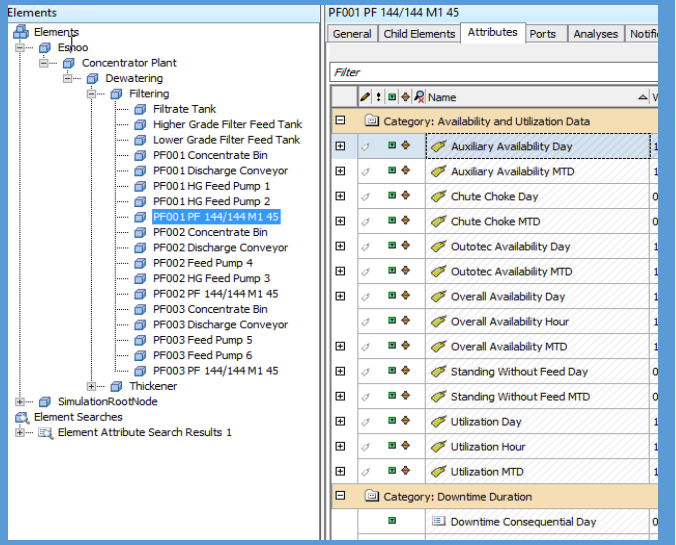
- Customer template



vs.

- Different raw data templates from different sites
- **Outotec template enabling fast deployment**
- Universal naming
- KPI's calculated the same way between sites

- Outotec Template



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Remote Service Portal

Shared insights and tools for day-to-day operations

- Process Book and Coresight dashboards published via web browser
- Fast deployment of recurring projects
- User role based dashboards
- Manual data entry forms
- Reporting
- Logbook functionalities
- Selected customer reference:
  - Anglo Platinum South Africa

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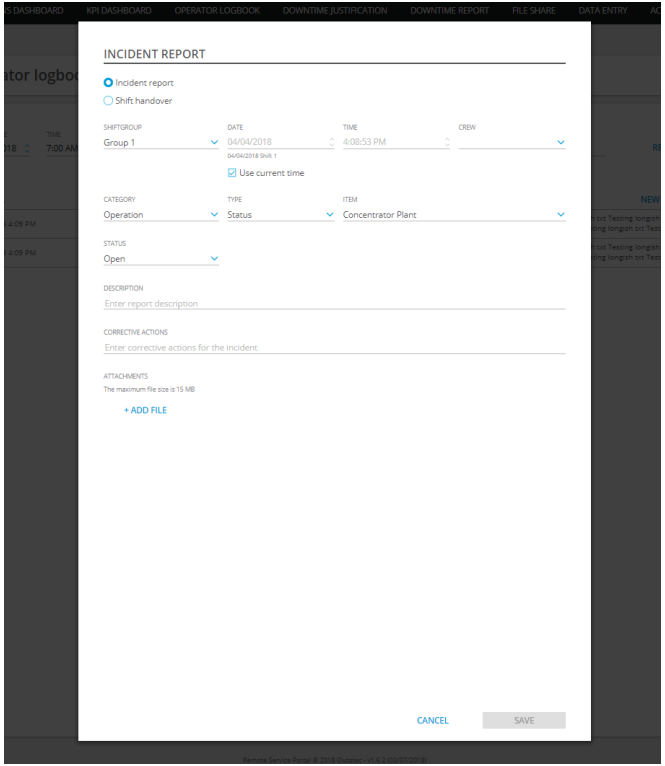
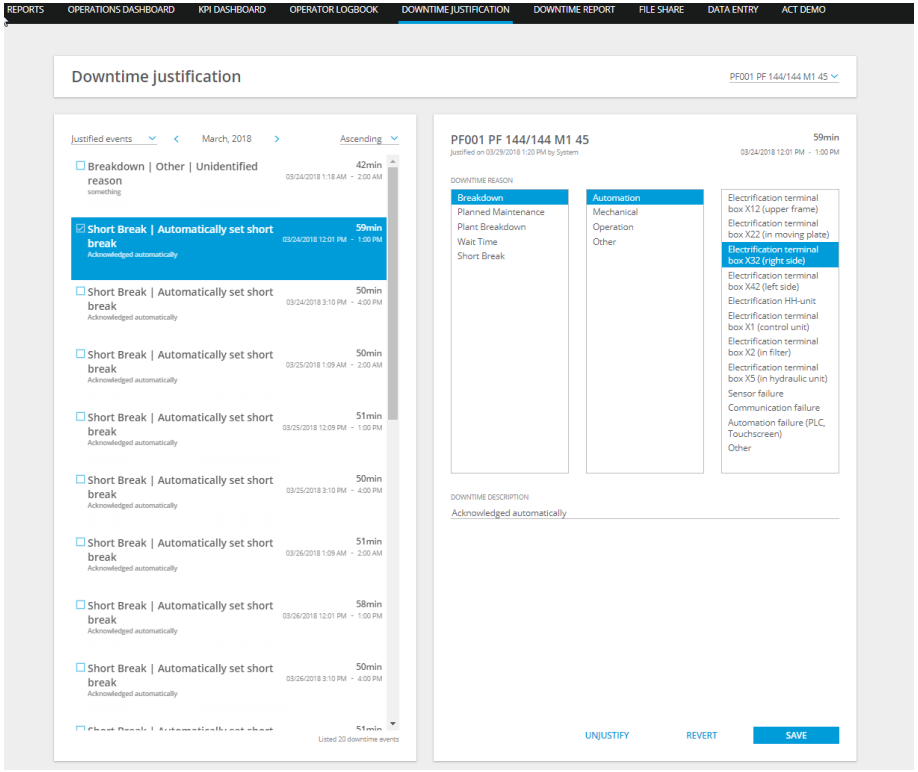


Example 1:

- Logbook
- Incident reports and shift change over forms

Example 2:

- Downtime justification and downtime reporting



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Remote Service Offering in Future

- Outotec's strategy: PI System as an ERP for process data
- Enhanced portal monitoring capabilities
  - Processes
  - Systems
  - Data flows
  - Notifications and alarms based on process conditions
- LIMS module
- Predictive maintenance, Asset performance management
- Integrated machine learning capabilities

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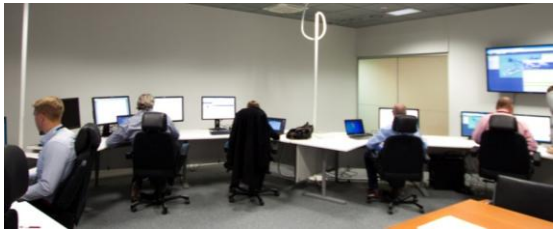
Outotec

Outotec is a global process and technology provider operating in minerals, metals and energy field. The goal is to improve customer value and productivity via developing data driven services.



CHALLENGE

No or poor visibility to online/history data

- Remote or isolated site locations
- Long response times to service requests

SOLUTION

Globally centralized database with online process data. One truth!

- Full PI system taken into operation
- Remote Service Portal available
- Advanced analytics based on process data

RESULTS

Faster response and recovery times. Improved operational capability

- Reduced need to travel on site
- Shorter operation downtime during process issues
- Fast deployment of service

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Questions

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State your **name & company**

Please remember to…

Complete the Online Survey for this session

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Merci

谢谢

Danke

Спасибо

Gracias

Thank You

감사합니다

ありがとう

Grazie

Obrigado

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