



Prodapt

Making operational improvements stick

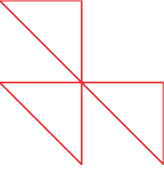
Embed a Value-Driven Continuous Improvement (VDCI) function in your operations organization for superior customer experience and operational efficiency

Credits

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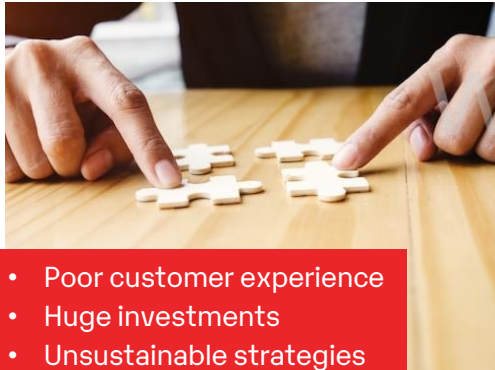
To win the “fibre race”, telecom operators are constantly striving to improve their operations for lower costs while providing delightful experiences



60%
of all corporate six
sigma initiatives
fail- [Link](#)

Most fibre operators rely on traditional operation improvement activities that:

- Focus on one-time process improvement
- Provide benefits for a limited period
- Do not suit a fast-changing fibre environment



- Poor customer experience
- Huge investments
- Unsustainable strategies

Challenges faced by fibre operators:

- Inability to meet massive coverage targets in time
- Overshoot budget to keep up with people, process, and technology advancements
- Delay in delivery of services and resolution of customer issues
- Inability to sustain continuous improvement with a lean and scalable operating model

Altnets, new fibre operators, and businesses undergoing a major transformation must define a lean operating model, followed by continuous improvement - [Read more](#)

Need of the hour for fibre operators?

“Massive shift in organizational and cultural construct by practicing **continuous operational improvement.**”

From “giant leaps” to “small steps”

From “know it all” to “always learning”

From “lean” to “lasting”



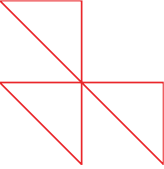
Continuous improvement is an ongoing effort, big or small to improve all elements of an organization.

- [McKinsey](#)

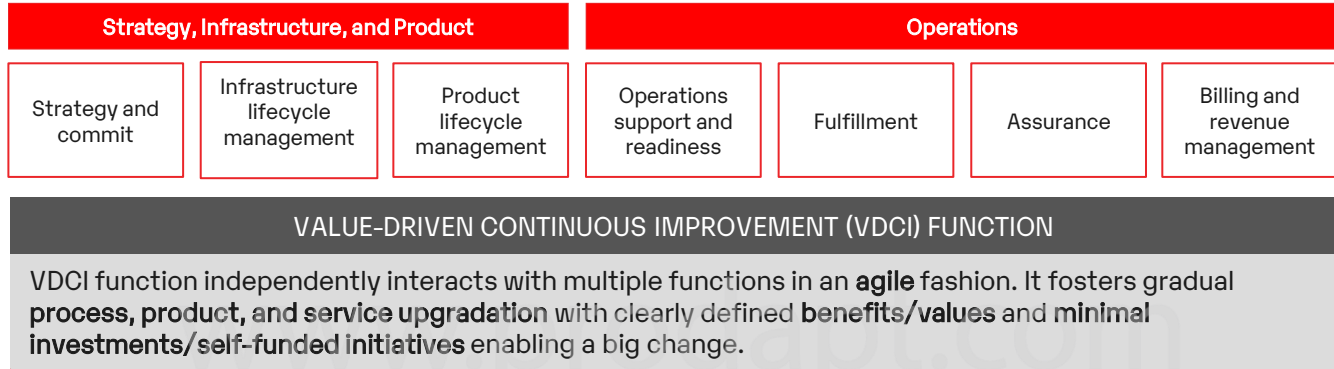
Fibre operators must introduce a “Value-Driven Continuous Improvement” function as an integral part of their operations organization.



Embed a Value-Driven Continuous Improvement (VDCI) function into your organization's structure to instill a culture of constant advancement and stay ahead of the competition

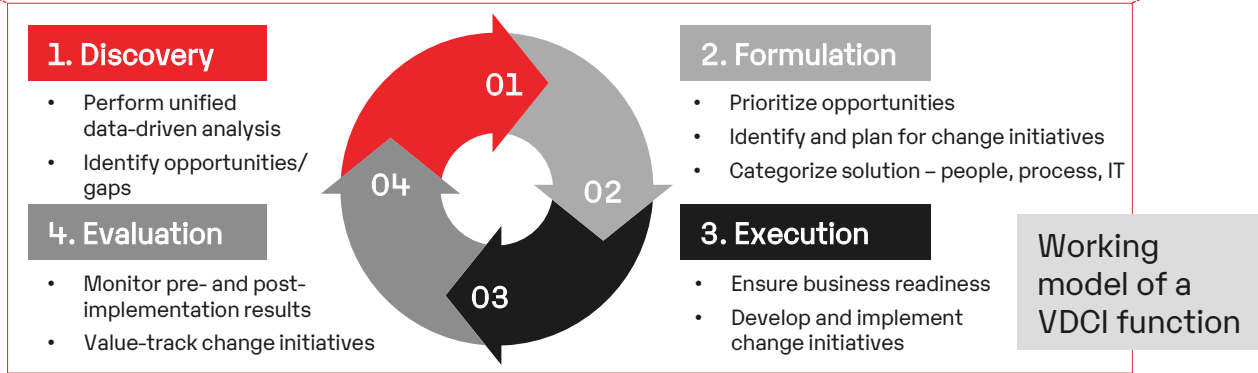


View of a typical fibre operator's organization construct with integrated continuous improvement

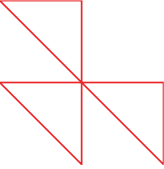


The transformation of cross-functional operations performs 30-40% better than their single-function counterparts.

-McKinsey



Find improvement opportunities across functions within fibre operations



Follow a **unified data-driven analysis** approach to identify gaps/opportunities and proactively address issues

Identify

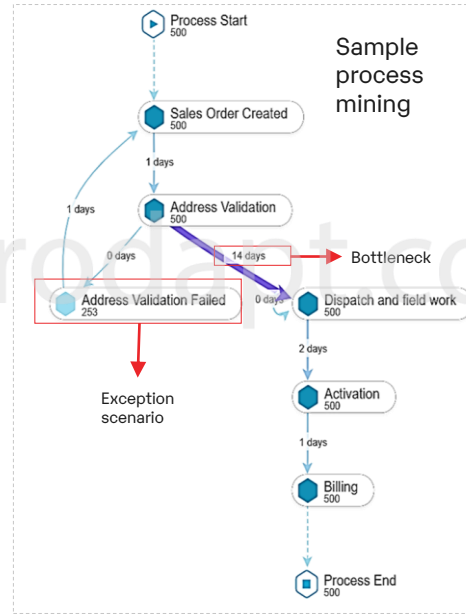
- Understand the **as-is fibre delivery and assurance processes**
- Prepare **use cases repository**, e.g., jeopardy management, technician dispatches, etc.
- Identify the tracking parameters like **KPIs/SLAs, financials**

Collect

- Conduct workshops to understand and gather data from **multiple functions**
- Benchmark the **as-is fibre processes** through detailed assessments

Unified data-driven analysis

- **Process mining**: Use tools like **Celonis** to discover gaps, monitor and improve processes, fibre journeys, system integration, etc.
- **Predictive modeling using AI/ML**: Use historical data to proactively predict and resolve issues (like network monitoring/failures)
- **Business process analysis**: Use tools like **Aris, Signavio, and Oracle BPM** to create, manage and analyze end-to-end business processes

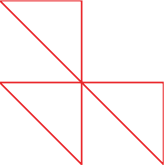


Interpret

- ✓ Identify the **improvement opportunities** and highlight potential issues
- ✓ **Address issues** before they impact customers
- ✓ Create **baseline metrics** to track progress
- ✓ Analyze the impact of operational gaps with **Business Impact Analysis (BIA)**
- ✓ Perform **data validation** with stakeholders
- ✓ Determine the **ROI**

Data-driven analysis is a quantified way of analyzing problems providing clear goals and numbers.

Formulate change initiatives, prioritizing the key areas and solution needs of fibre



Prioritizing Opportunities

Key Lenses	Risk Assessment
<ul style="list-style-type: none">Strategic alignmentROICustomer experienceRegulatory	<p>Identify and evaluate the most vulnerable areas like:</p> <ul style="list-style-type: none">Credit RiskData securityOperational risk

Proceed to ideate solutions

Log the opportunities in requirement management tools like **Jira**

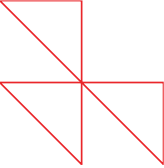
★ Get upfront sign-on (agreement) with the business and finance teams on measuring the proposed benefits to prevent uncertainties.

Identify and plan for the change initiatives



Brainstorming workshops and solution agreements from all stakeholders is the key to a successful solution plan.

Implement change initiatives to rapidly adapt to changes pertaining to fiberization goals



Prepare and empower your organization to adopt change

Change Management

- Leverage **industry consultants** to apply industry best practices to support and manage change while implementing change initiatives
- Ensure that all **change impacts** are known, agreed and evaluated, and **mitigations** are planned
- Prepare **valuable references and toolkits** when planning for change

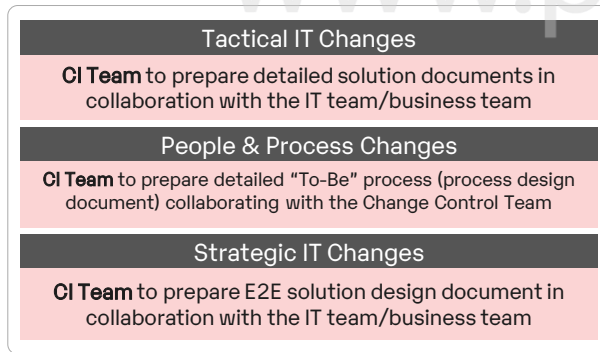
Business Readiness

- Ensure that stakeholders are adequately informed and leaders are prepped for planned changes
- Facilitate **business ownership** for the change
- Consider both **functional** and **non-functional** aspects of business readiness

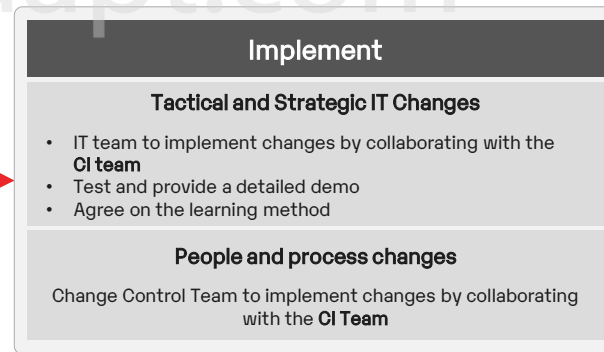


Implement, document, and track change initiatives

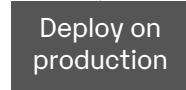
Continuous Improvement (CI) Team



Design review & sign-off



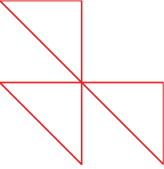
UAT sign-off



Sit-by sessions

Track initiative delivery timelines using a requirement tracker tool like Jira.

Implement change initiatives to rapidly adapt to changes pertaining to fiberization goals



Recommendations:

- **Prioritize business readiness over solution implementation.** Adoption of most change initiatives fail/get delayed/lose impact due to lack of business readiness
- Consider the below **vital dimensions** for business readiness:



Reformed roles

Avoid ambiguity, and effort loss by clearly **defining roles, SLAs, and OLAs**, and taking **sign-offs** from the key stakeholders.



Re-sizing teams

Establish teams with the right size and skill to support change. Re-size/re-align teams to ensure operational readiness.



Right hand-offs

Ensure communication at the right time, using the right channel, and in the right format. Document the change initiatives (such as process, and training).



Check the progress of change through continuous monitoring of the solution and its expected benefits



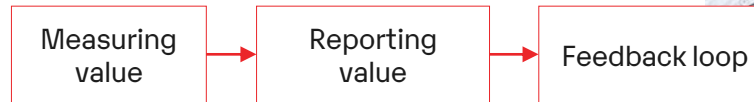
Monitor

- Extract **data insights** to compare the pre- and post-implementation data
- Check if the desired changes are reflected in the data
- Analyze the **KPI metrics** to ensure that the changes are moving in the correct direction

Value track

- Dedicate a team to track the benefits
- Allow time for the solution to **stabilize**
- Derive the **actual realized benefit numbers**
- Link benefits to the **operation and strategic value levers**
- Conduct **retrospective calls** with the stakeholders to present the **cost benefits/value leakage**
- Create a **feedback loop** to assess benefit realization, and identify gaps for course correction and new opportunities to add to the backlog

Follow the value diagram for an effective, tangible value realization journey

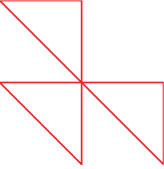


Sample KPIs for fibre operators

On-time delivery, Right first time, Net Promoter Score (NPS), Customer churn, Revenue per user, Cost to serve



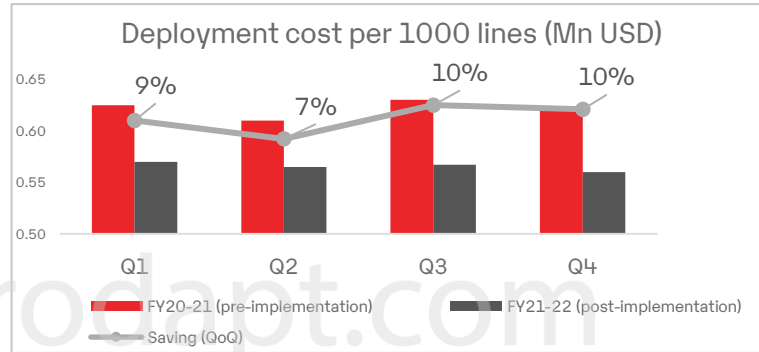
Check the progress of change through continuous monitoring of the solution and its expected benefits



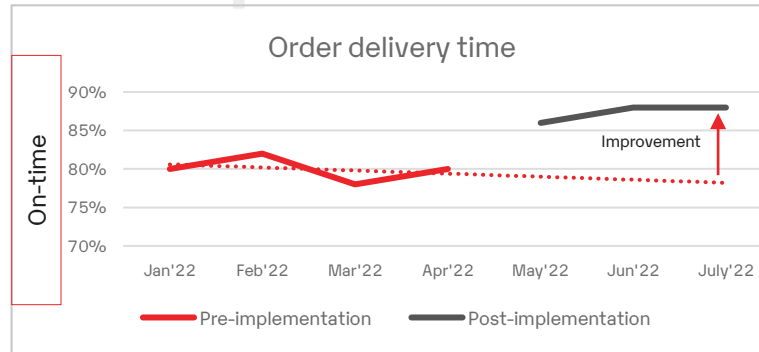
Recommendations

- Get the sign-on and sign-off for the desired vs. actual cost benefits from the business teams
- Use data querying tools (like SQL/Python scripts) for data extraction and analysis
- Create **automated dashboards** for periodic reporting and monitoring
- Define and follow the timeline for value-tracking. The recommended timelines are:
 - Stabilization period: **1-2 weeks**
 - Periodic calculation of actual benefits: **2-3 months**
 - Retrospective calls with stakeholders: **every 2 weeks**
- Track actual benefits for **1 year**

Representative dashboards for value tracking

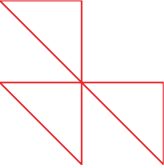


The deployment cost was reduced by 10% in Q4 FY21-22 compared to Q4 FY20-21 due to improved operational efficiency.

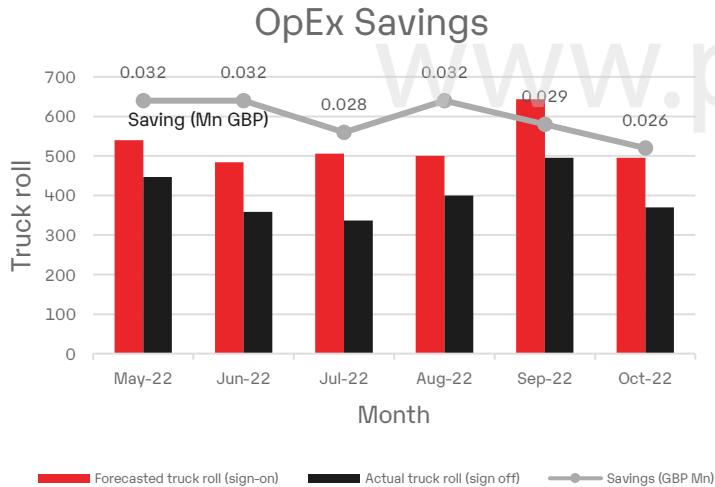


The timely delivery of orders increased by 8% within 7 months.

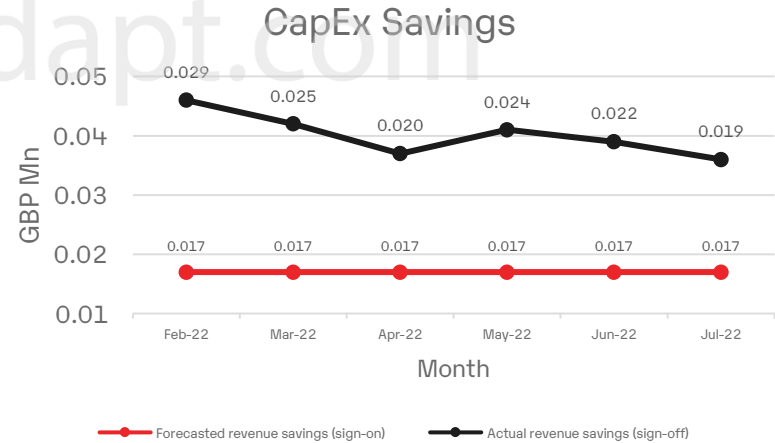
Sample use cases: Impacts of implementing change initiatives



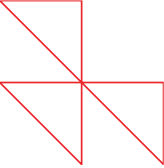
Use Case	Truck roll reduction through correct identification of fault location and sending a technician to get it right the first time
Impact	Operational cost-saving
Change Initiative type	Tactical - IT configuration change



Use Case	Avoid revenue leakage by aborting the network building activity upon the cancellation of customer orders
Impact	Revenue
Change Initiative type	People/process change



Case Study: UK's largest full fibre operator realized huge cost savings and increased customer satisfaction by implementing the VDCI function in their operations organization



Activities performed

50+ change initiatives identified and awaiting prioritization

10+ Tactical IT changes implemented, and value tracked

3+ people and process changes ideated with ROI

5+ Strategic IT changes ideated with ROI

Key deliverables

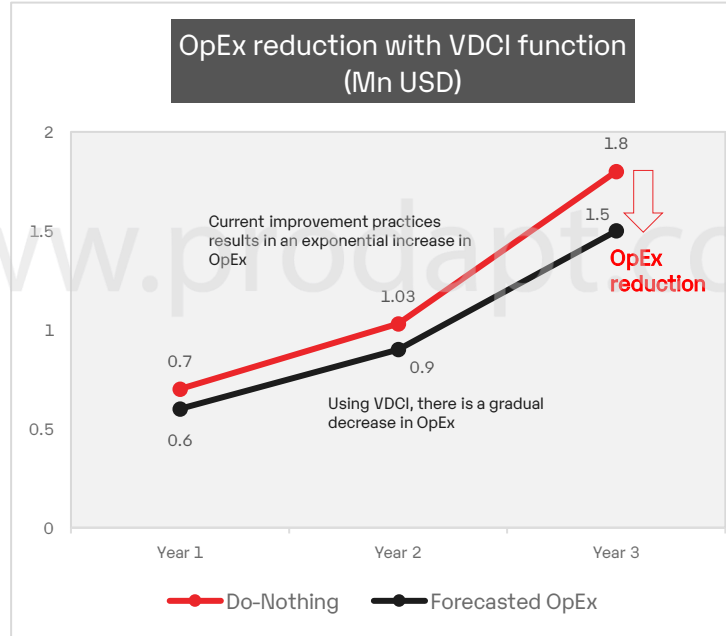
Process and procedure change documents

Business Requirement Documents (BRD)

Real-time dashboards

Value trackers

Process and solution design documents



Satisfied customers



15% OpEx savings in 3 years

KPIs improved

- ✓ Lower incident rate
- ✓ Faster order cycle time

The background is a solid red color. It features a white dot grid pattern. Overlaid on this are several white geometric shapes: a large square on the left with a diagonal line from the top-left to the bottom-right; a large square on the right with a diagonal line from the top-right to the bottom-left; and a horizontal row of three squares at the bottom, each with a diagonal line from the top-left to the bottom-right.

Thank you

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