



# AI in FTTH

# affine<sup>TM</sup>

*Positive Impact*

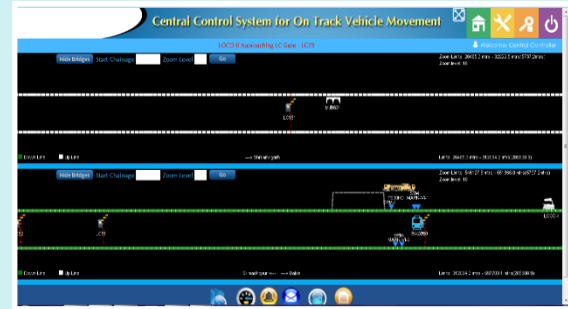


EMPOWERING  
AI in ENGG SERVICES

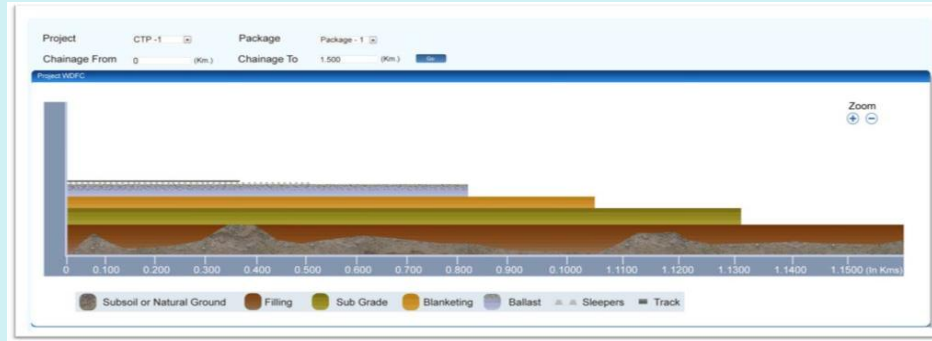
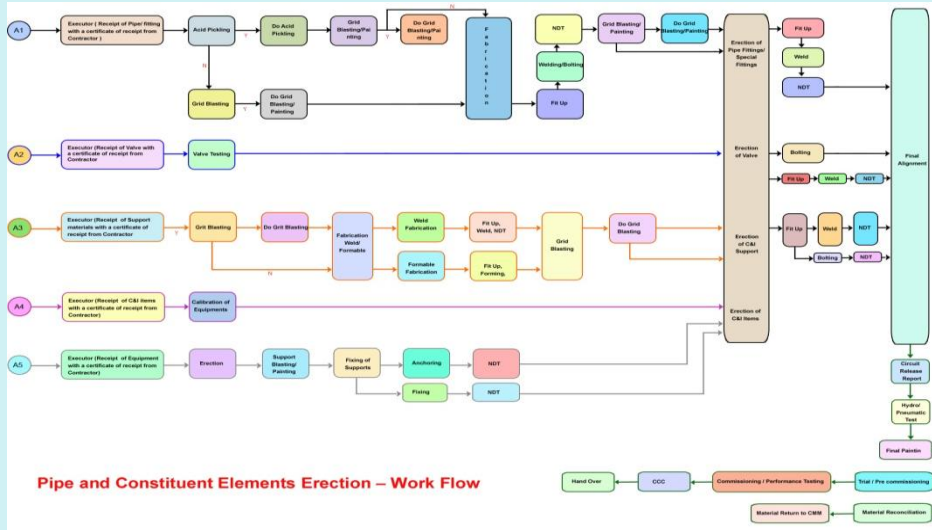


- ***IoT & AI***
- ***Big Data & Analytics***
- ***Progress Monitoring systems***
- ***Telecom***
- ***New Initiatives***

# IOT & AI



# Progress Monitoring Frameworks



# IoT, ML & AI enabled FTTH



# A Secure Web Application, mobile enabled to

- Track
- Monitor
- Control
- Automate

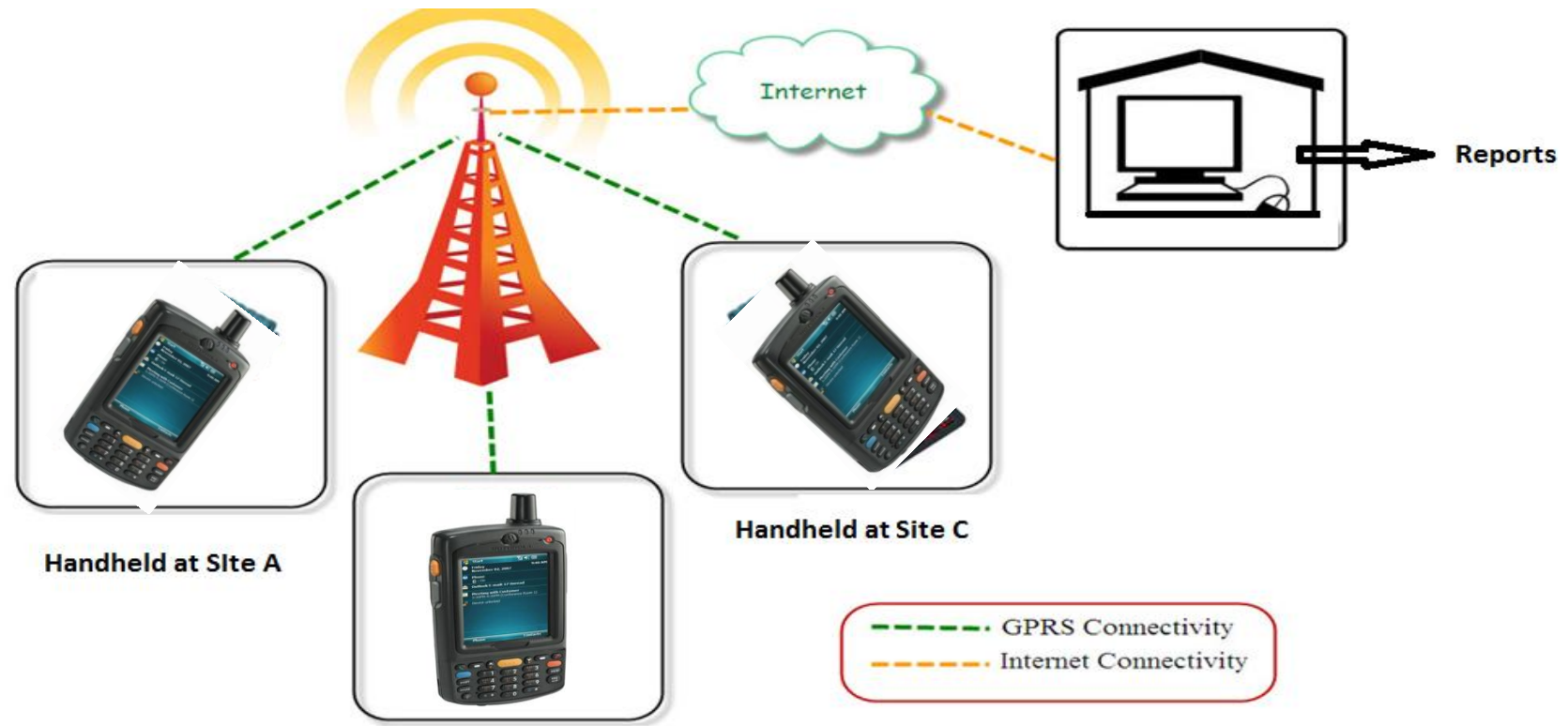
all activities related to OFC cable laying including

- Quality assurance of Materials
- Provision to track selected elements for inspection and approval
- With ML and AI generate various insights that helps eco system.



## Introduction

# Remote Inputs Capture from multiple sites - Architecture

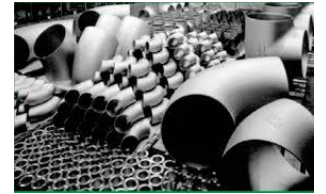






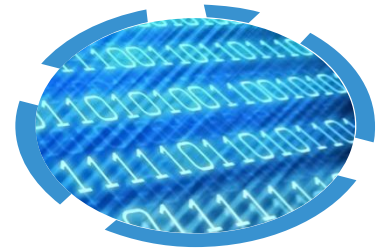
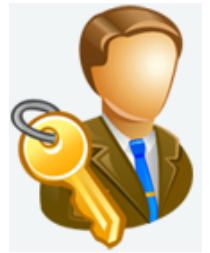
## Modules

- AI supported Master data base
- Mobile App with interactive reporting.
- Fiber status dashboard with drill up/down
- Procurement & Inventory Intelligence
- Online inspections & approvals
- Bringing all stake holders in single page.



## Salient Features

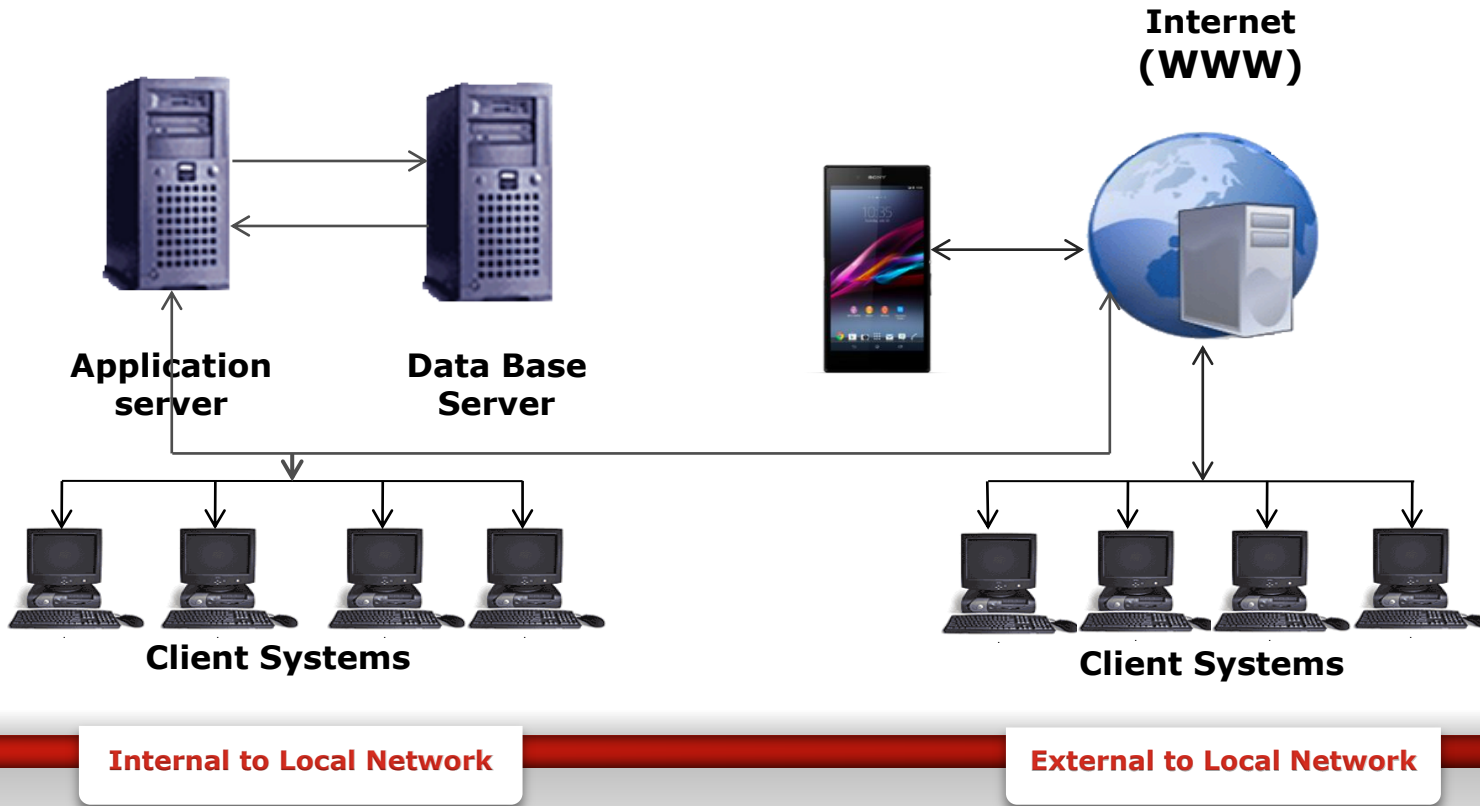
- Admin Panel with Artificial Intelligence with necessary alerts.
- Authenticated Access
- Dynamic Reports basing on Business user requirements.
- Automated Billing & Reconciliation



## Salient Features

- Intelligent Web Portal
- Decision supports system  
with rich user interface.
- Authenticated login
- Restricted access privileges

## User Access System



# Application Architecture

# Security Features



- Avoids multi-user database access connections
- System prevents invalid approvals or any malfunctions in inspection process
- Auto-lock feature for invalid credentials entry



# Data Redemption



- Regular and Periodic Backups
- Configurable Schedules
- Data restore in case of data loss due to any Technical or Unhandled Problems.



# Key Benefits



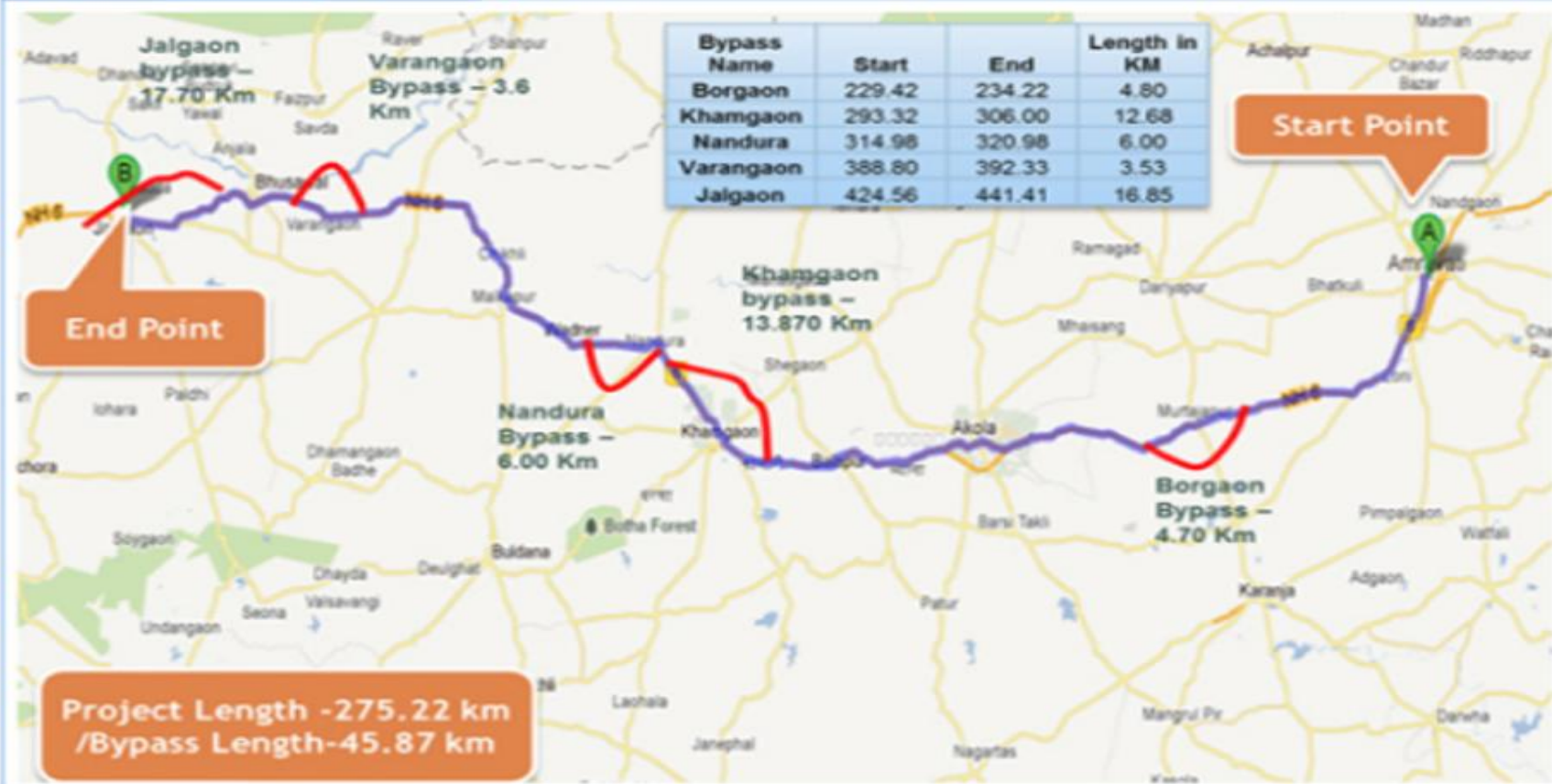
- ❖ Paper work reduction
- ❖ Optimum Resource Utilization
- ❖ Performance enhancement
- ❖ Prevent manual errors
- ❖ Scalability
- ❖ Cost effective



INDIA

AJRP

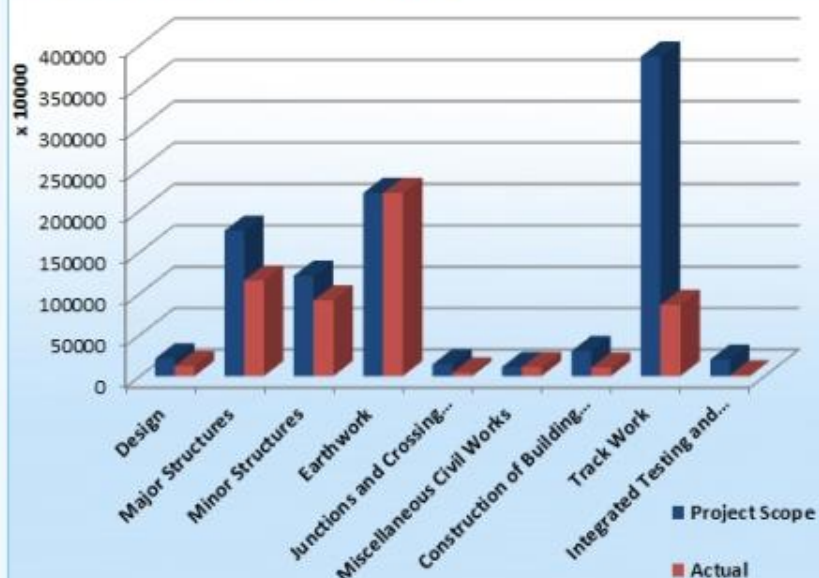
JMRP



## Project Scope

Cost Center	Project Scope	Actual
Design	211000000	120100000
Major Structures	1753560000	1153560000
Minor Structures	1212900000	912900000
Earthwork	2210700000	2210700000
Junctions and Crossing Stations	142310000	42310000
Miscellaneous Civil Works	109300000	109300000
Construction of Building Works	301320000	101320000
Track Work	3858910000	858910000
Integrated Testing and Commissioning	200000000	100000000

## Total Receivables Upto January 2014



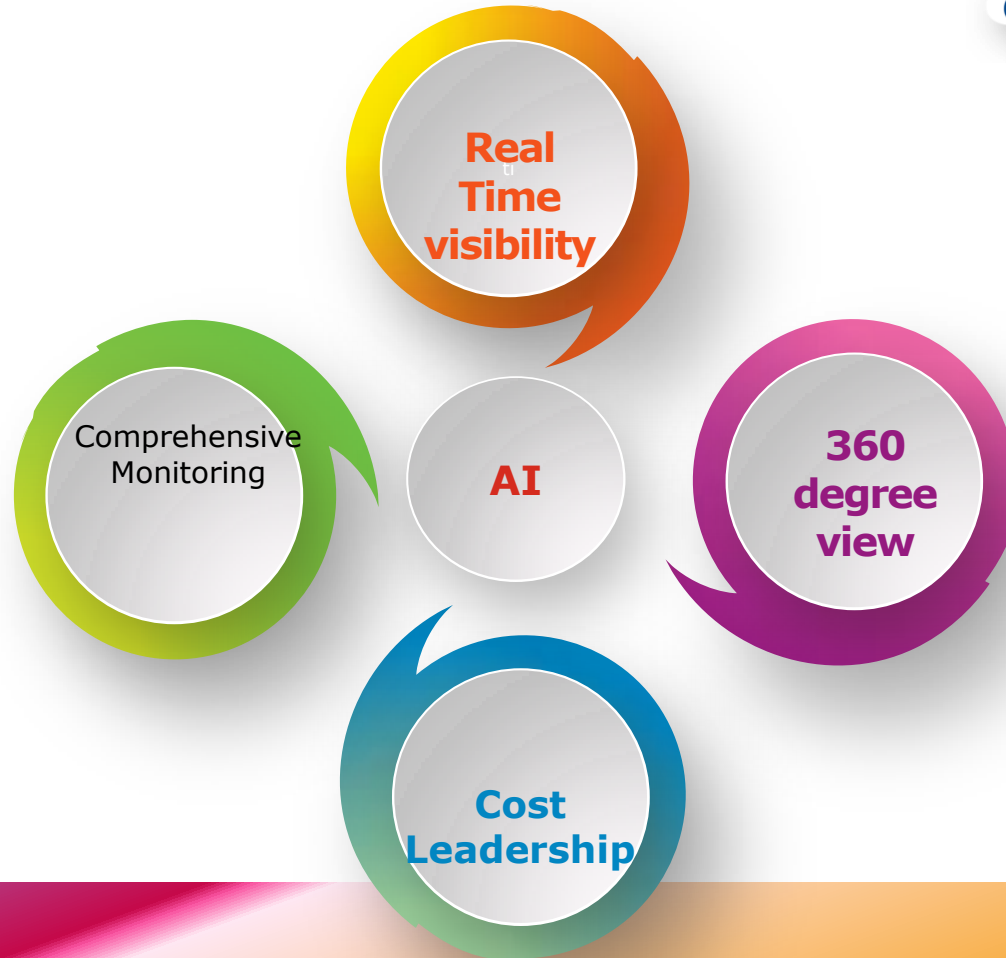
CTP - 1



CTP - 2



# AI add values...

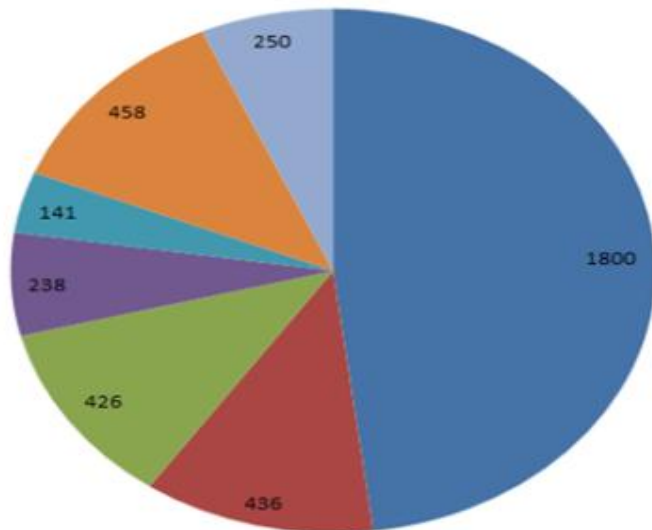


Type	From Date	To Date
Piping DD	<input type="text"/>	<input type="text"/>

 PDF  XLS

Piping						
Unit	USI	Building	Line No.	Welder No.	Circuit No.	List of Joints for which WIR is made
All <a href="#">Select</a>	All <a href="#">Select</a>	All <a href="#">Select</a>	All <a href="#">Select</a>	<a href="#">Select</a>	<input type="text"/>	<input type="checkbox"/> Shop <input type="checkbox"/> Field

Type: Piping DD  
Unit: All  
USI: All  
Building: All  
Line No.: All



■ IM of the Selected Joints

■ No. of the Selected Joints for which FIT Up is Completed

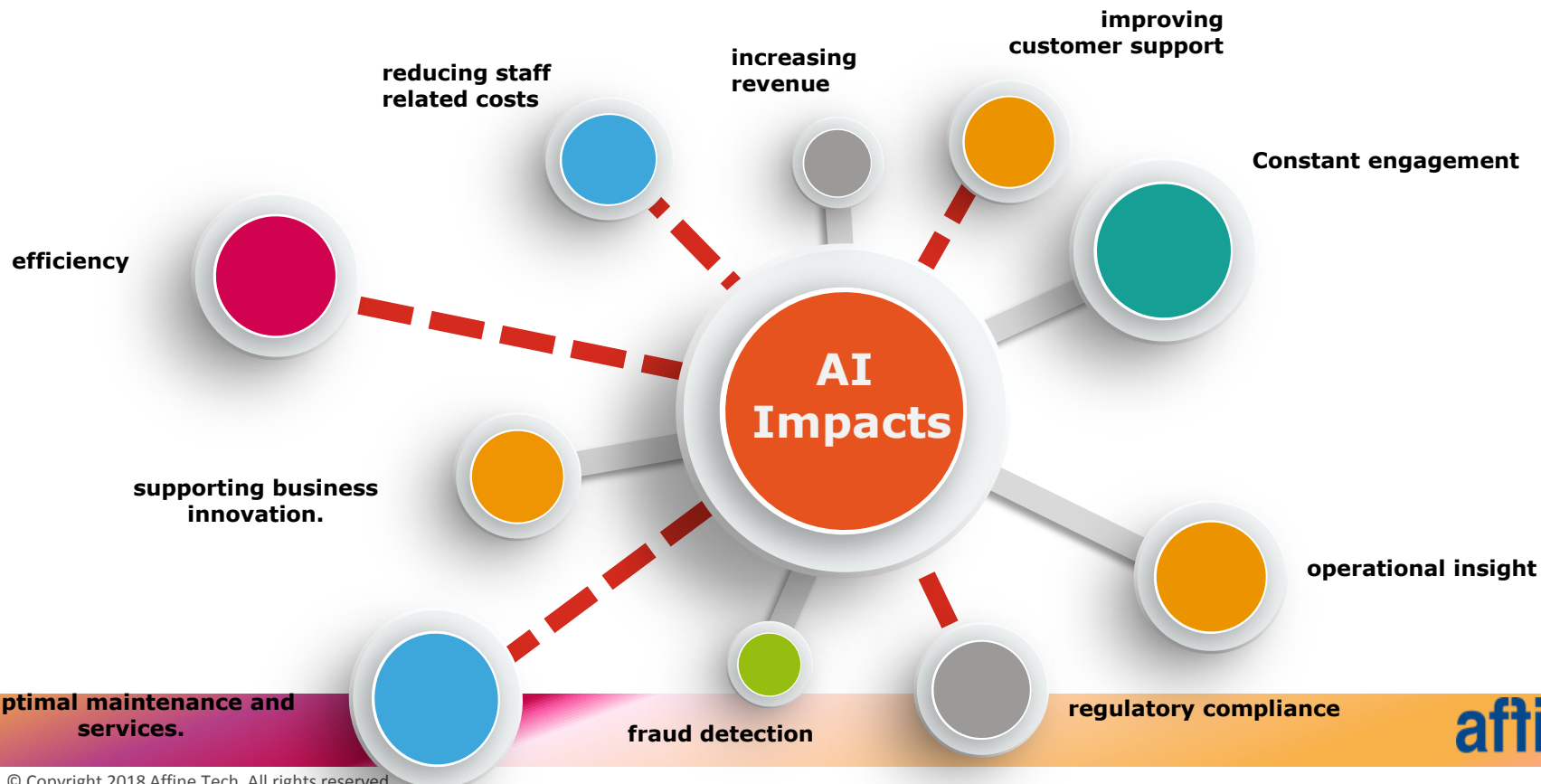
■ No. of the Selected Joints for which Final Weld is Completed

■ No. of the Selected Joints for which DPT Report Generated

■ No. of the Selected Joints for which DPT is Completed (Signed in Report)

■ No. of the Selected Joints for which RT Report Generated

■ No. of the Selected Joints for which RT is Completed (Signed)



# THANK YOU

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