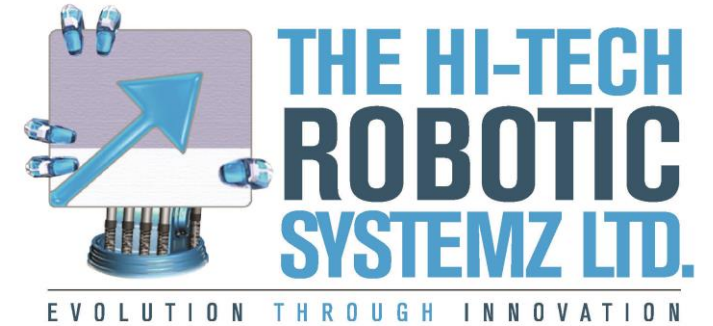
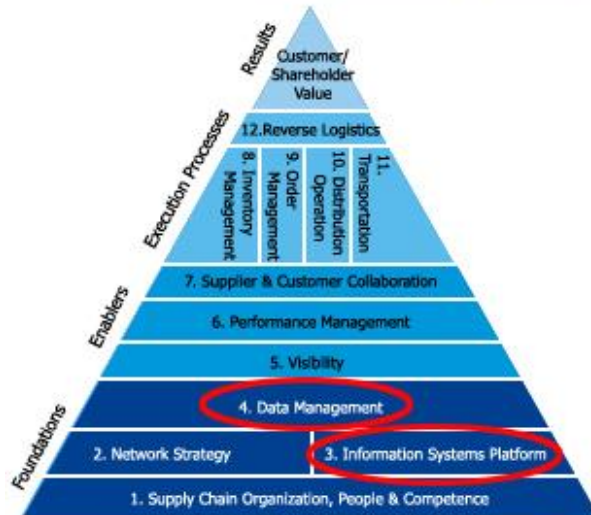
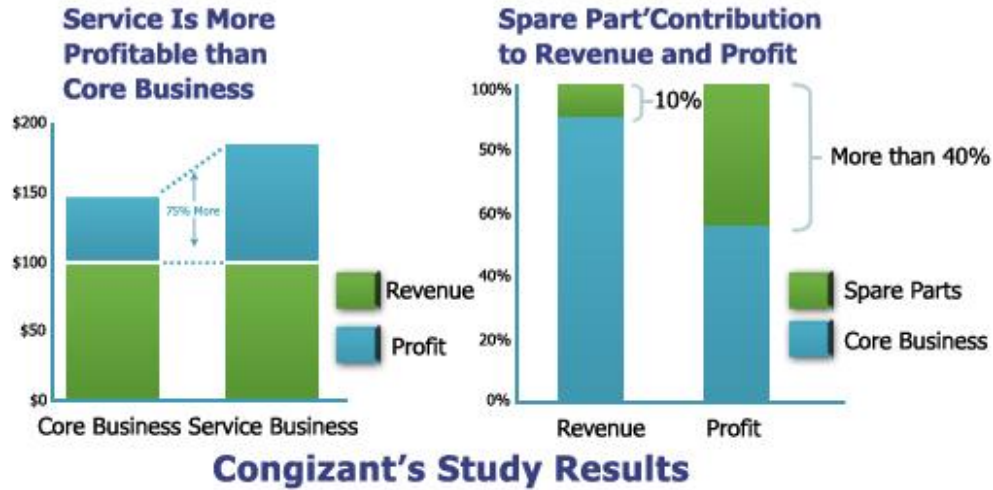


THRSL's Most Selling Software Product
eCatalog : Electronic Parts Catalog



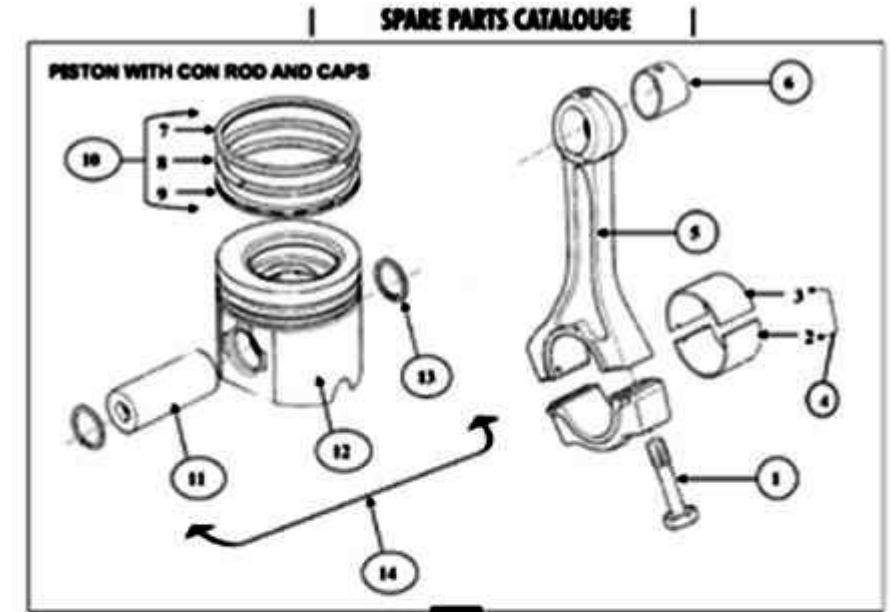
Spare Parts Business Facts

Conventional ways of Parts Catalog Management



INTERNAL	EXTERNAL
Complex Parts Supply Chain & Reverse Logistics	Shorter Product Lifecycle
Increasing No. of SKUs	Branding Requirements
Complex Vehicle & Parts Configuration	Gen-X Perceptions on Spare Parts
Inefficient Data & Price Management	Gray Market
Lack of Efficient IT Application	Regulatory Compliance
	Third-Party Supplier Penetration

Challenges in Parts Businesses



Part No.	Part Name	Description	Unit	Stock	Remarks
QMS 000	SPAREPARTS	GROUP PISTON WITH CON ROD AND CAPS	PC	10	
QMS 1	SPAREPARTS	BEUL FLANGED HEAD - M12 x 1.5 x 18	PC	5	10
QMS 2	SPAREPARTS	BEARING SHELL LOWER/CONNECTING ROD	PC	5	5
QMS 3	SPAREPARTS	BEARING SHELL UPPER/CONNECTING ROD	PC	5	5
QMS 4	SPAREPARTS	CONNECTING ROD BEARING SET	PC	5	1
QMS 5	SPAREPARTS	ASSEMBLY CONNECTING ROD	PC	5	5
QMS 6	SPAREPARTS	BEARING CONNECTING ROD	PC	40	5
QMS 7	SPAREPARTS	COMPRESSION RING 1	PC	5	5
QMS 8	SPAREPARTS	COMPRESSION RING 2	PC	5	5
QMS 9	SPAREPARTS	CR RING SET	PC	5	5
QMS 10	SPAREPARTS	PISTON RING SET	PC	5	1
QMS 11	SPAREPARTS	PAI PISTON	PC	5	5
QMS 12	SPAREPARTS	PISTON - W/ RING	PC	5	5
QMS 13	SPAREPARTS	GROUP PISTON	PC	5	10
QMS 14	SPAREPARTS	PISTON PISTON PAL GROUP SET-PCB 3	PC	5	1

Multi Model Catalogs

<https://www.cognizant.com/whitepapers/automotive-parts-the-industrys-new-sweet-spot-codex2234.pdf>

Challenges in the Conventional Parts Catalog

High Time to Market

- Catalog creation is very time consuming
- Catalog maintenance is not possible
- Create new catalog for every model
- HO Parts team is engaged in parts queries

ECN Parts not updated

- Part changes are not updated in base copy
- NLS parts, Alternet Parts not updated
- Communicate Part Change through Circular
- Difficult to keep circular information in mind

MIS Report not possible

- Created data is not useful as analytics
- Every time need to work on separate report
- Man made report is prone to error
- Can't take quick decisions and may loose Profits

01

02

03

04

05

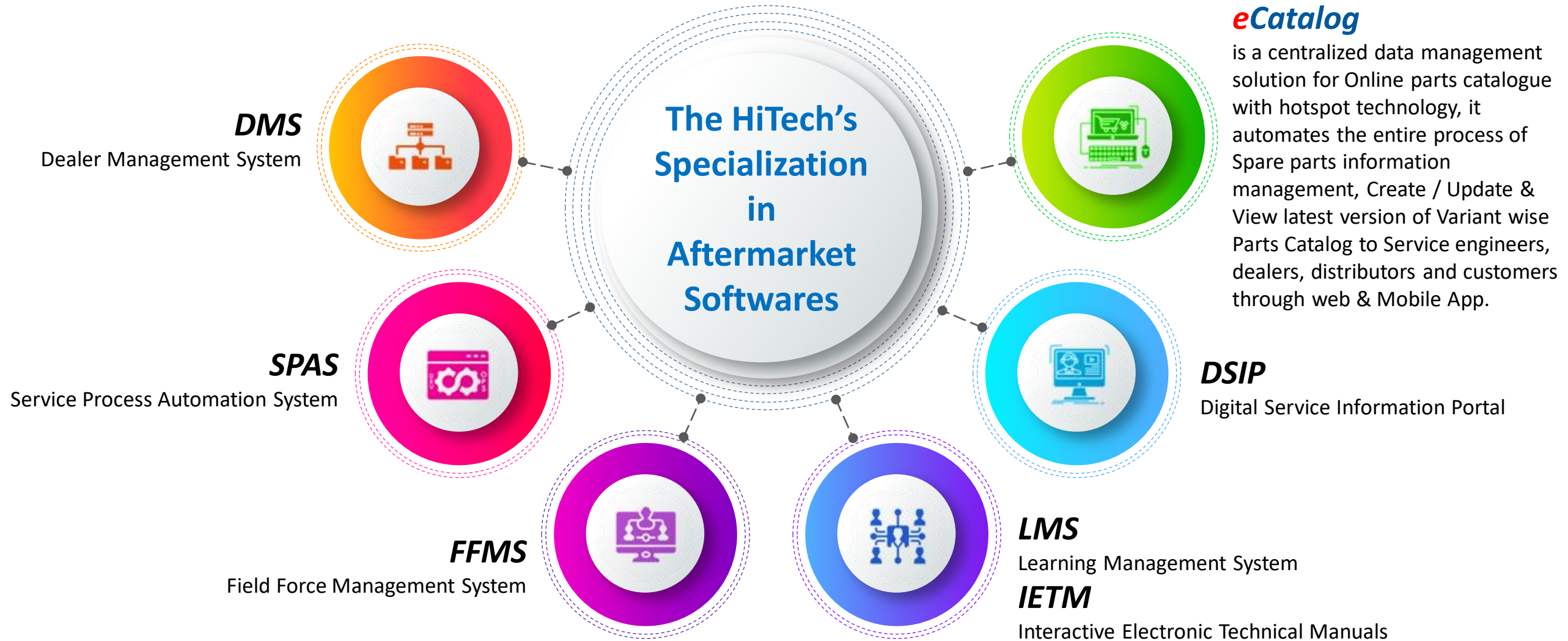
Difficult to Use

- Bulky catalogs are difficult to handle
- Multi Model Catalog is difficult to read
- Parts Applicable to my VIN can't check
- Part usability across platform Can't check
- Image clarity and link with BOM is not there
- Need to read/ type Part number for order

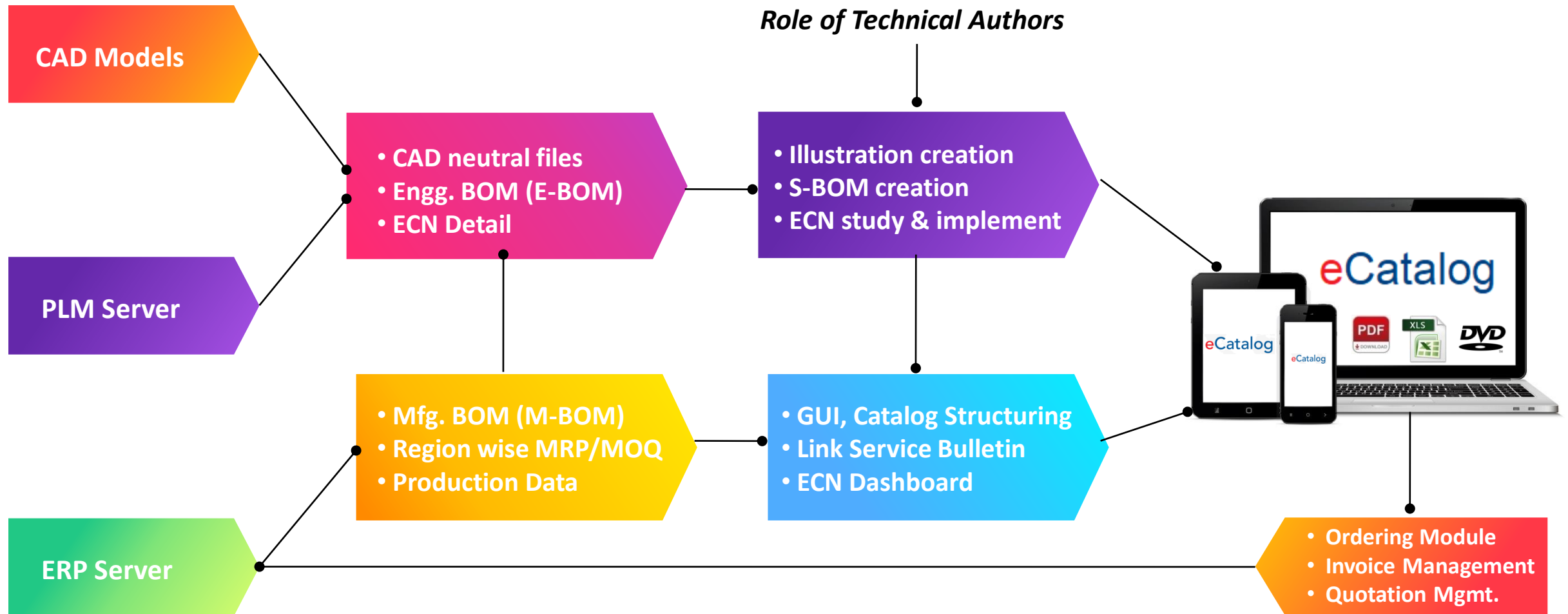
Browse on Multi-channels for all info.

- Price circular managed separately
- Price on ordering platform may be different
- Kits information managed in Kit Catalog
- Bulletins are published on other platform
- Ordering platform is also different
- For parts query, drop mail with photos

The HiTech's Specialization in Aftermarket Solutions



Typical Information pass on eCatalog



eCatalog Modules – Configure Your Product as per your need

View Module

- Secured Parts Information Access
- View Variant wise, VIN Specific BOM
- Advance Search Option
- BOM Vs Illustration hot spotting
- Showcase Part 2D/MRP/MOQ
- Part Where Used Feature
- Check Part Change History, ECN detail
- Select & Add Part in to cart
- Parts & Service Bulletins Management

Service Information Module

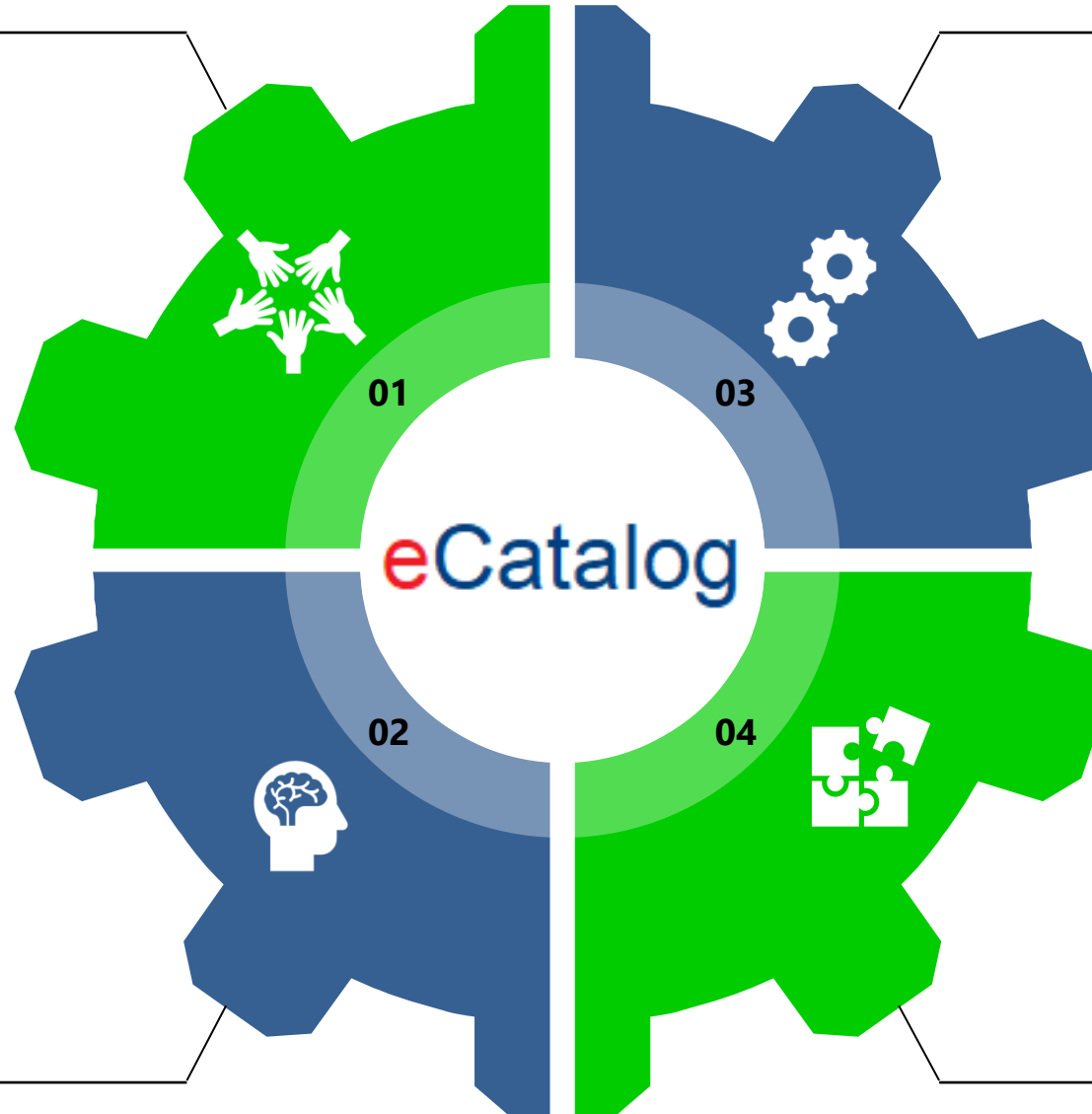
- Manage and Publish Owner's Manuals
- Manage and Publish Service Manuals
- Manage and Publish Service Animations
- Manage and Publish Training Material
- Manage and Publish Special Tools
- Manage and Publish Service Wall charts
- Manage and Publish Wiring Diagrams
- Manage and Publish Vehicle Diagnostics
- Advance Search to get quick search

Admin Module

- Manage Users, User Types
- Assign Roles to User Type
- Manage Region Specific Catalog access
- Manage Parts
- Manage Groups
- Manage Models / Variants
- Implement ECN Information
- Manage Bulletins
- Download MIS Reports

Advanced Value Added Features

- Develop Service BOM Utility
- Integration with PLM-ERP-DMS
- Multilingual Parts Catalog
- Fast Moving Parts Catalog
- mCatalog – Extension of eCat on Mobile
- Integrated Parts Ticket Management System
- Implement & Integrate Full LMS
- 3D Part View, 360 Degree Product View
- Integrated e-Commerce Web Solution



Benefits of *THRSL's* eCatalog

VALUE ADDED FEATURES

*eCatalog is scalable solution
Implement Value added features on demand any time.*

MIS REPORTS ON DEMAND

*Generate customized report on demand
Generate reports in required formats
Develop Analytics Dashboard for quick overview*

INFORMATION SECURITY

*Access of eCatalog to only genuine users
Track usage of eCatalog
Extend Country / Region specific catalog
Show respective prices as per user type.*

PARTS ORDERING MADE SIMPLE

*Select your Variant / Assembly and Parts & click to Cart
No need to type Part Number on any platform
Reduce wrong part ordering cases, integrate with ERP*

TIME SAVING

*80% reduction in Catalog Creation
Reuse of exiting data
Implement and published ECN/ Part changes quickly.*

COST SAVING / INCREASE PROFIT

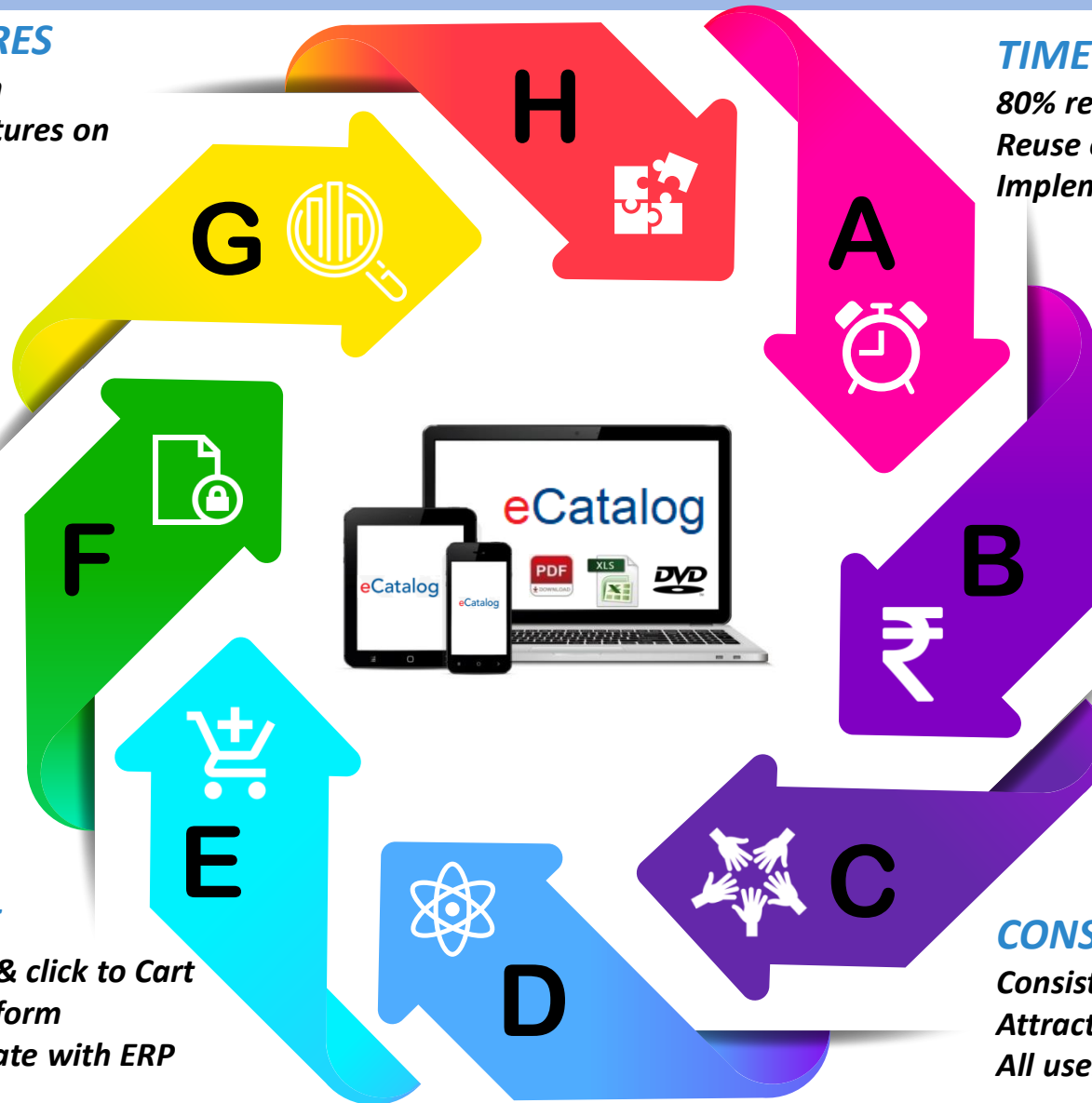
*Zero cost on Printing & Distribution of catalog.
Digitization cost is very low compare to prints.
Extend to customer and give attractive discounts*

ALL INFORMATION AT SAME PLACE

*All aftermarket parts & service information can be managed under one solution.
No need to login on multiple solutions.*

CONSISTENT UI AND PARTS INFORMATION

*Consistent browsing experience to end user.
Attractive, User friendly UI engage catalog users.
All users have same versioned information*



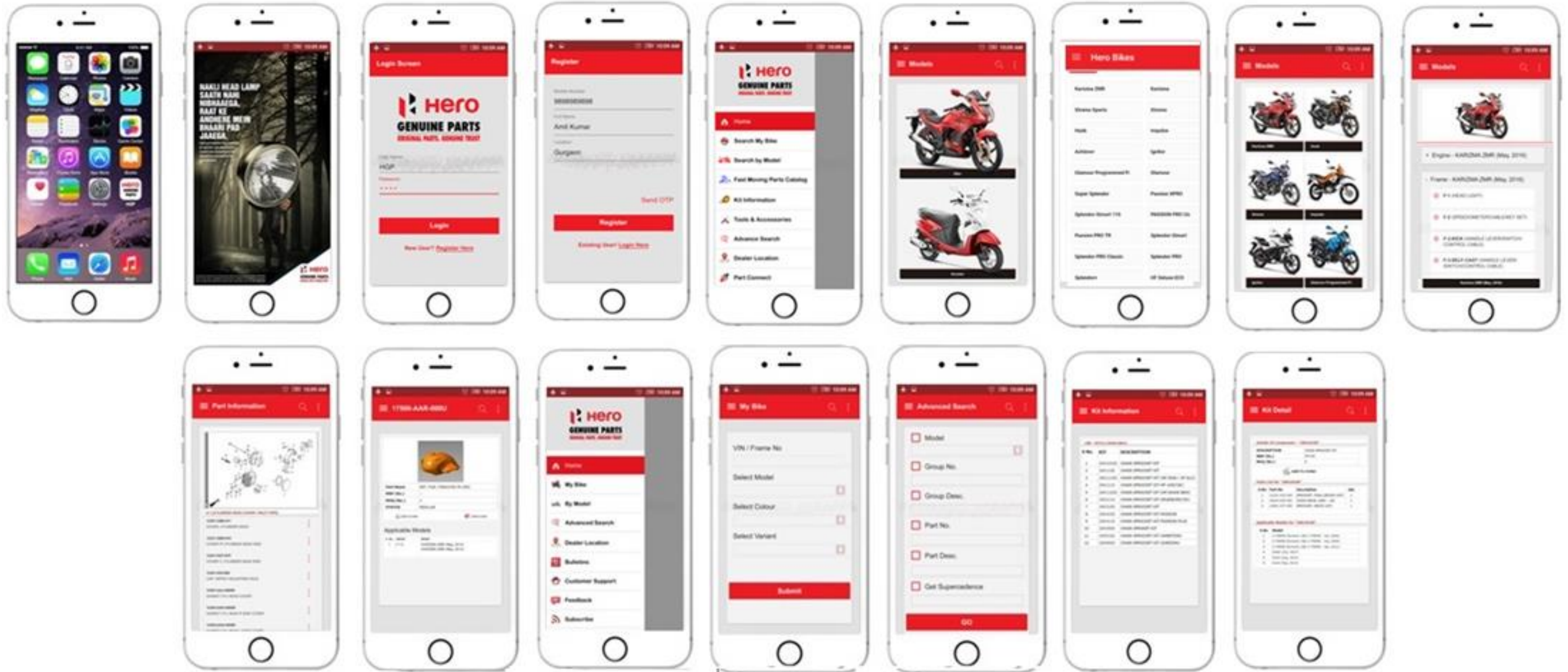
eCatalog Features Overview



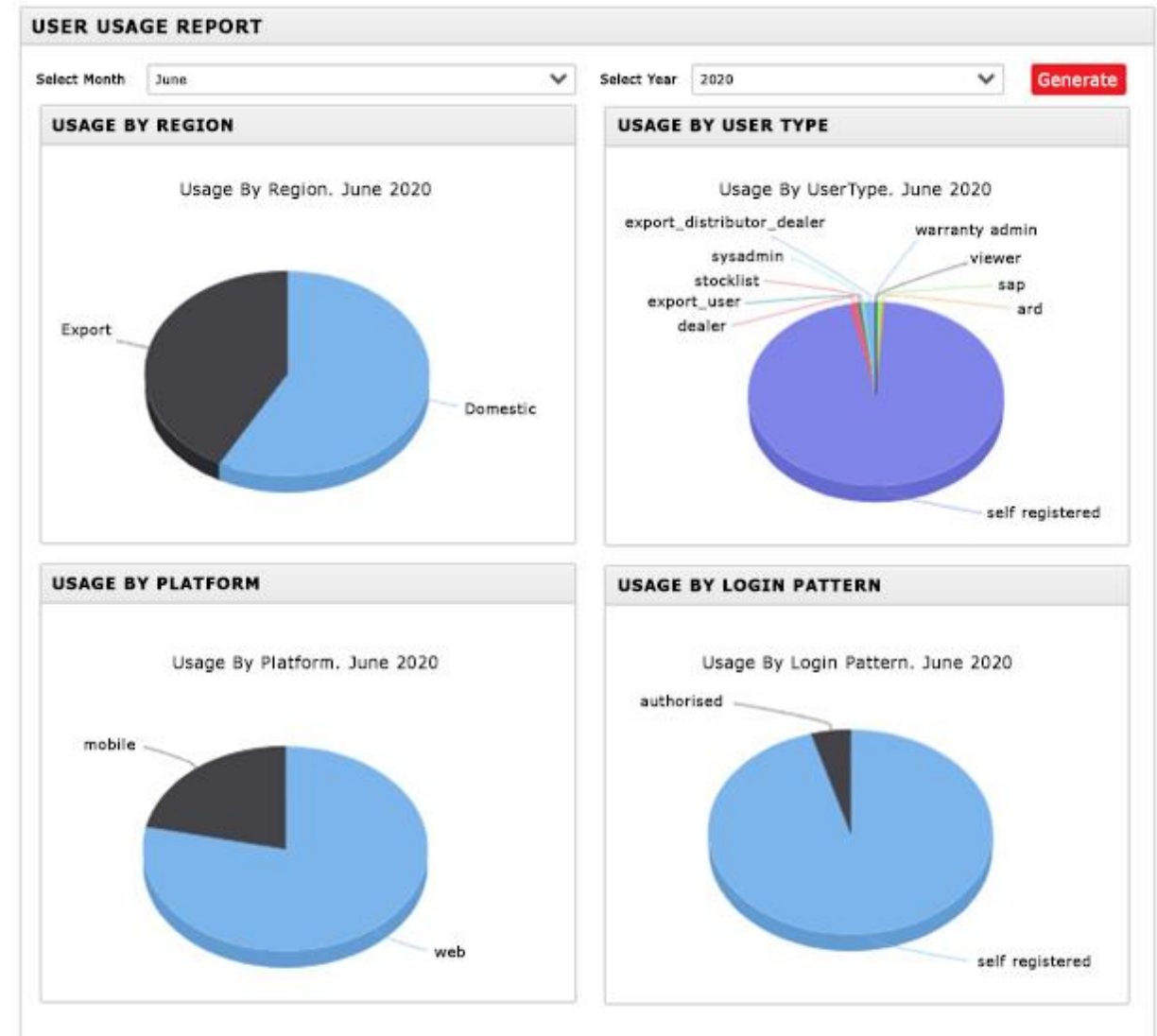
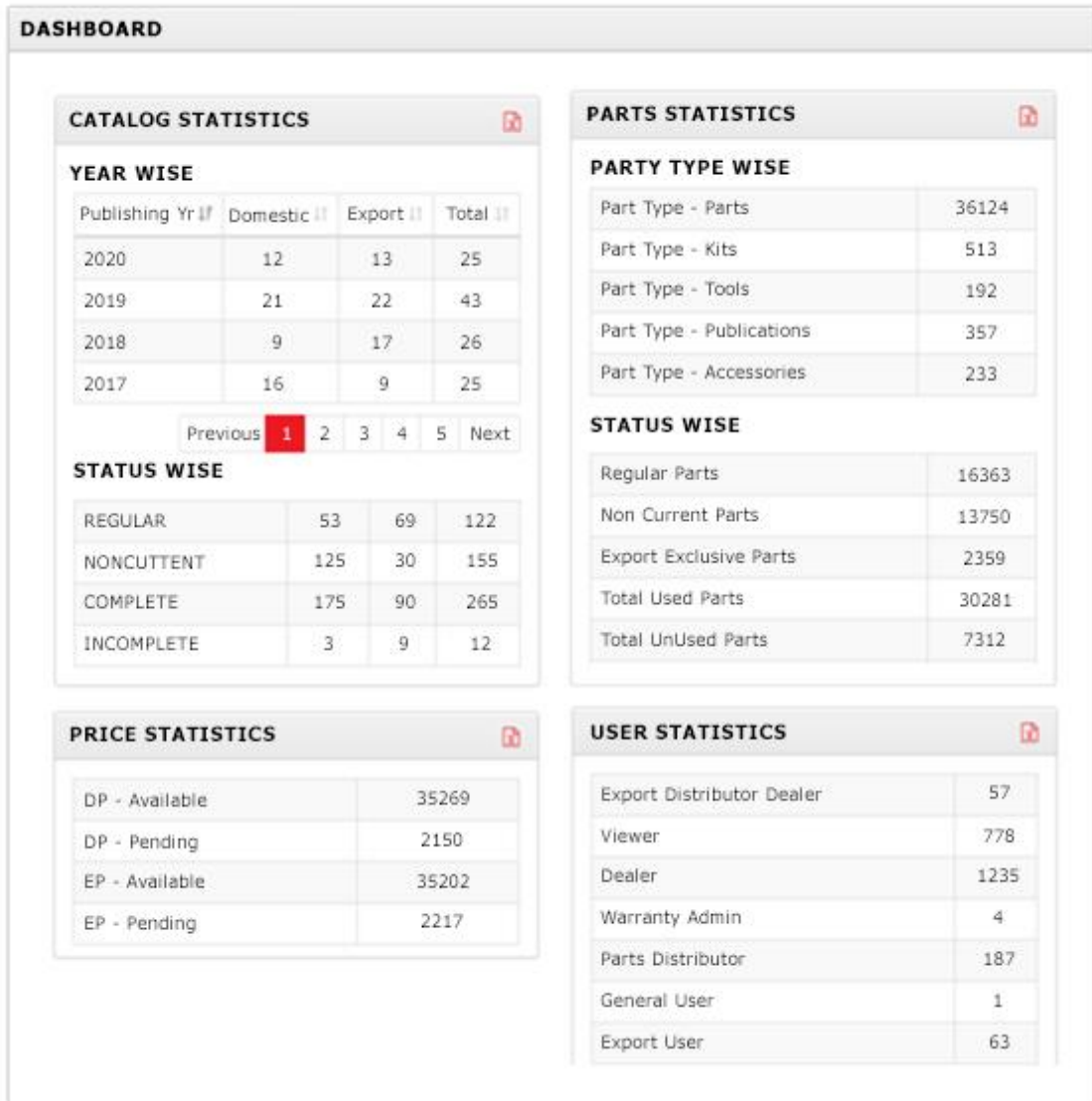
mCatalog Features – Extension of eCatalog on Mobile Apps

- ❖ Extension of Web based eCatalog (B2B) to Hybrid Mobile App (B2B & B2C)
- ❖ All the data will be maintained in existing eCatalog platform and further required can be viewed on mCatalog
- ❖ End User can register him self through OTP Authentication
- ❖ Search by VIN Number, Part Number, Part description
- ❖ Fast moving Parts Catalog Access feature
- ❖ Part and group Where Used feature
- ❖ Kit Information, Lube & Accessory Part Information
- ❖ Service Bulletins Accessibility
- ❖ Part locator feature – Tracking from real time inventory - User can check Part availability in Near by his dealerships
- ❖ Upload Monthly Part Scheme for Retailers – Distributors
- ❖ Customized Cart Creation, Order placement, Order Tracking Flow – Or Integration with exiting Ordering System

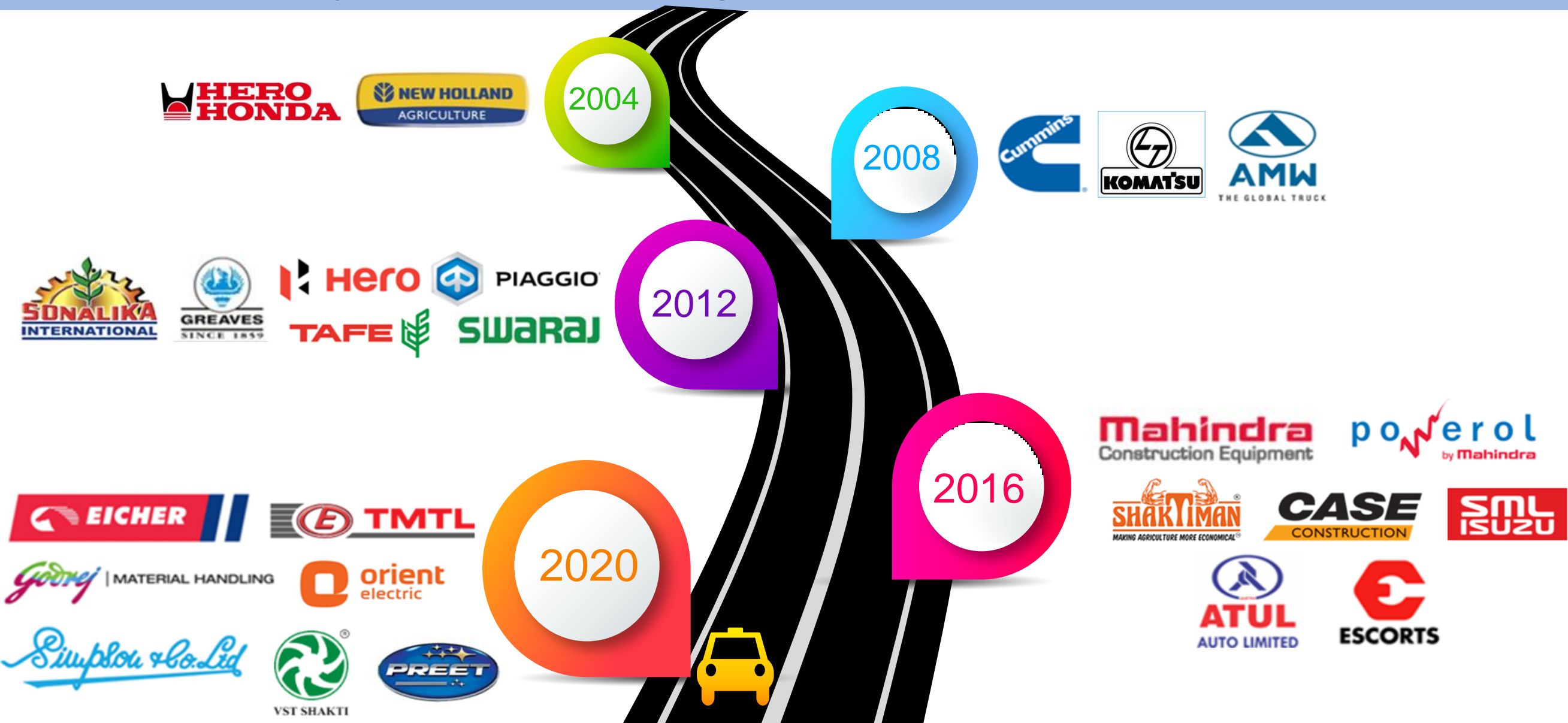
mCatalog Screens – Extension of eCatalog on Mobile Apps



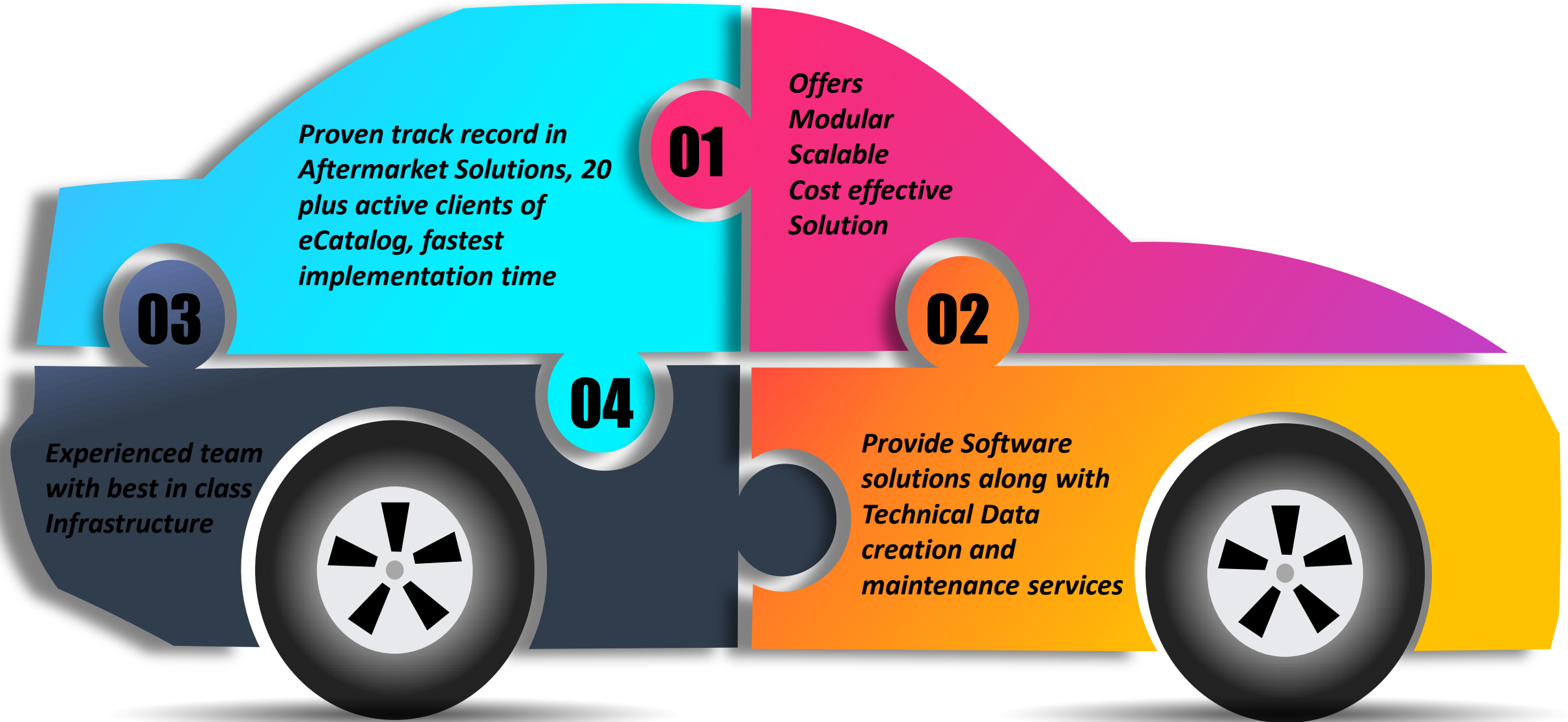
eCatalog Analytics for Admin User – Dashboard & Chart Form



Many OEM's Trust in eCatalog Solution Proves Best in Class Product



Why to select *THRSL* for Aftermarket Solutions ?



Inputs Require for eCatalog Project

Hardware & Software Requirement:

- Server class machine for deploying the application on Internet
- Schema on MS SQL server for database connectivity
- Internet Connectivity on Server
- SMS Web Service from Messaging Service Provider
- Require Form and Reports Templates
- All the Formulas to calculate machine parameter calculations

Catalog Input Data Requirement:

- Bill of Material along with Part Serviceability
- CAD data in neutral format (STEP/IGS) for exploded view creation
- Catalog PDF files if data is already created
- ECN information
- Vehicle / Material production data for Serial wise search
- Spare Parts Bulletins / Kits / Lubes / Accessories data

Recommended Server Configuration:

Logical	QTY	Software Configuration	Hard disk	RAM	CPU
Web Server	1	<ul style="list-style-type: none">OS: Windows Server 2008 or higherApache HTTP Server V2.4Mod_jk connector	200 GB	16 GB	Dual Intel Xeon Quad-Core 2.66 GHz Processor
Application Server	1	<ul style="list-style-type: none">OS: Windows Server 2008 or higherApache Tomcat V8.0	200 GB		
Database Server	1	<ul style="list-style-type: none">OS: Windows Server 2008 or higherMS-SQL Standard Edition 2012 or higher	200 GB		

THANK YOU



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THE HI-TECH GROUP