LYNCHPIN Co., Ltd.

LINK CORE PARTs?™

In the Age of Digital Transformation, The World Leader in Aftermarket Global Supply Chain Management Solution

LPYDX™
(WPBC.KR®)

LP LYNCHPIN.KR®
LINK CORE PARTs?™

LPYDX™

Point of View (PREP) \ Point of Time (SCM)	Situation Analysis (Search)	Problem Definition (Match)	Task Presentation (Catch)
Differentiation (Propose)	Pattern Recognition Technology without undetection and misdetection	Solving Information Mismatch Issue from Design Change	ITEM/OASIS™ Model Based on LPYDX™
Profitability (Reason)	Justification for Partsbook Market Creation	Challenges on Partsbook Making and Publishing	Customized Innovation and Stabilization of Partsbook Drawing Distribution and Configuration Management
Scarcity (Example)	Administrator Viewer Component (A)	S-BOM Partsbook System (S)	Open Cross-Platform (O, S, I)
Scalability (Point)	Market Signaling (Market Scale)	Revenue Model (Sales Plan)	Effect

▲ LPYDX™ Based Business Model Platform Matrix

Lynchpin is an aftermarket global supply chain management solution provider.
We suggest the most efficient, appropriate solution with accurate issue analysis
as we link companies with customers, sellers with buyers, front market with rear market.
Distribute drawings globally and manage authentication by using our partsbook solution
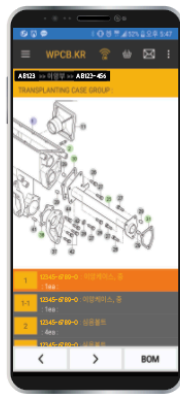with independent technology.
Search drawings and parts in the field, and order parts in real time.
In the age of digital transformation, we would like to share our dream and vision
with you as a connecting dot between aftermarkets and manufacturers.

Sung Wook Choi
Chief Executive Officer · Doctor of Engineering

Mobile

Tap/Pad

LPYDX™ Platform-based Partsbook Solution: WPBC.KR®

- Web parts management solution without hard copies and PDF files.
- Convenient parts management platform with a standard template for administrators and users.
- Enable enterprises to build aftermarket supply management chain.

Application Field

- For laboratories or sales departments of manufacturers who make complete product or machinery

Automobile   Vessel   Agricultural   Boiler   The Others
                                    Machinery

Effect

Efficient, systematic parts management

User-friendly GUI Order Processing
Search, put in the cart, and send order mail at once

Reduced parts data entry time

Automatic hot-point extraction using OCR
Partsbook viewer management (Link, Memo, CAD,
Recognition Verification Module)

ⓧ Xamarin Integrated platform

Available for devices running on iOS or Android
Offline Mode

Partsbook (WPBC.KR®) Business AS-IS/TO-BE Analysis

AS-IS

Manufacturer's frequent design change issue
Research Institute ↔ Sales Department
Difficulty of renewing parts information and publishing partsbook
caused by design change

1. Latest parts information unreflectivess caused by design change
2. Order error and Delivery error

TO-BE

Lynchpin's New Proposal

Match BOM with drawings automatically
Use OCR for automatic hot-point extraction
Decrease design change reflection time
Reduce data entry time by using Standard S-BOM Template

Core Technology: OASIS™
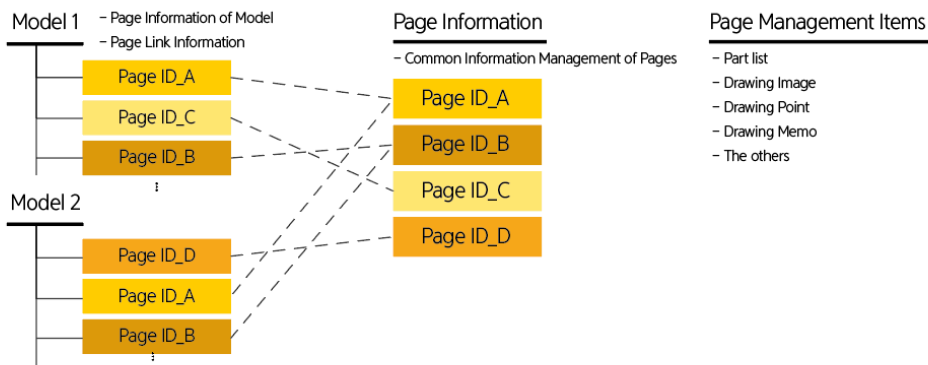
O : Responsive Web and Cross Browsing

HTML5-based cross browsing

Distribution of HTML and image file which are automatically generated in the administrator mode with cloud service for foreign customers

Mobile size responsive web for customers avoiding application installation.

S : Efficient S-BOM Partsbook

Model 1
- Page Information of Model
- Page Link Information

Page ID_A
Page ID_C
Page ID_B

Model 2

Page ID_D
Page ID_A
Page ID_B

Page Information
- Common Information Management of Pages

Page ID_A
Page ID_B
Page ID_C
Page ID_D

Page Management Items
- Part list
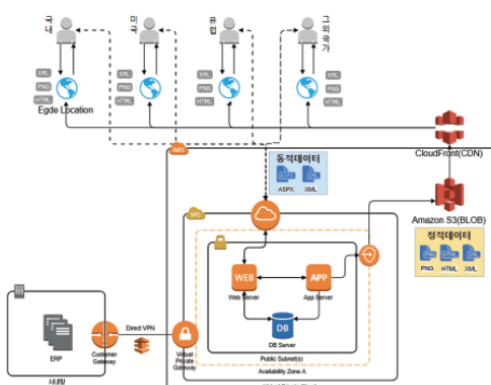- Drawing Image
- Drawing Point
- Drawing Memo
- The others

Easy batch upload and reuse by joint management of page
information Individual management function for model page information
Convenient BOM addition/elimination followed by design change
Batch drawing change

S : Cloud SaaS Service

Static Data Distribution (including image, HTML, XML)
- Companies distribute data to Edge Location around the world using S3 (BLOB) and CloudFront (CDN)
- Global users receive data from the nearest edge location.

Dynamic Data Distribution (including ASPX, XML)
- Domestic users receive data from a domestic server.

OASIS™

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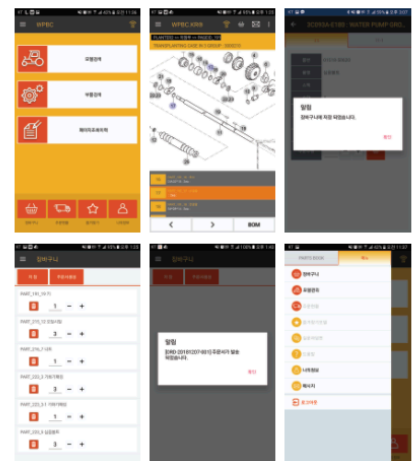## A : Administrator Viewer specialized to Parts Book

Extended graphic function based on WPF
Point, polygon, memo, letter, and area drawing
Drawing image size reduction
Automatic HTML5 drawing image creation
Zoom in/out by mouse scroll

I : Integrated Cross-Platform (Based on mobile application)

Cross-platform based on Xamarin
Available for devices running on iOS or Android
Offline Mode
QR code and bar code scanning
Cart and Order Function
Order processing notification
Image zoom in/out, detailed view with point link, and order function

Core Technology: OASIS™

LP WPBC.KR®
파츠북 플랫폼
(LPYDX ™)
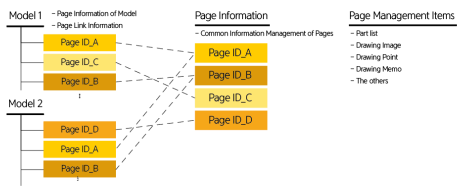
OASIS™

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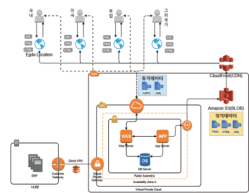for foreign customers
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S — Cloud Service

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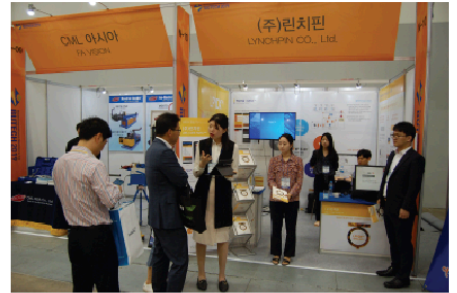
Event

2018.09

1st Partsbook Seminar

2018.09

Changwon International Smart Factory
Conference & Expo

2019.05

9th Busan International Machinery Fair

2019.06

2nd Partsbook Seminar

2019.06

Selected as a First Penguin by KODIT

2019.09

2019 BUSAN·ULSAN·GYEONGNAM
Smart Factory Conference & Expo

2019.06

2019 Smart Factory Award Korea
Grand Prize

2019.10

Citation (Busan Chamber of
Commerce and Industry)

2019.11

Citation (Busan Regional SMEs
and Startups Office)

LPYDX™ PartsBook Reference Site
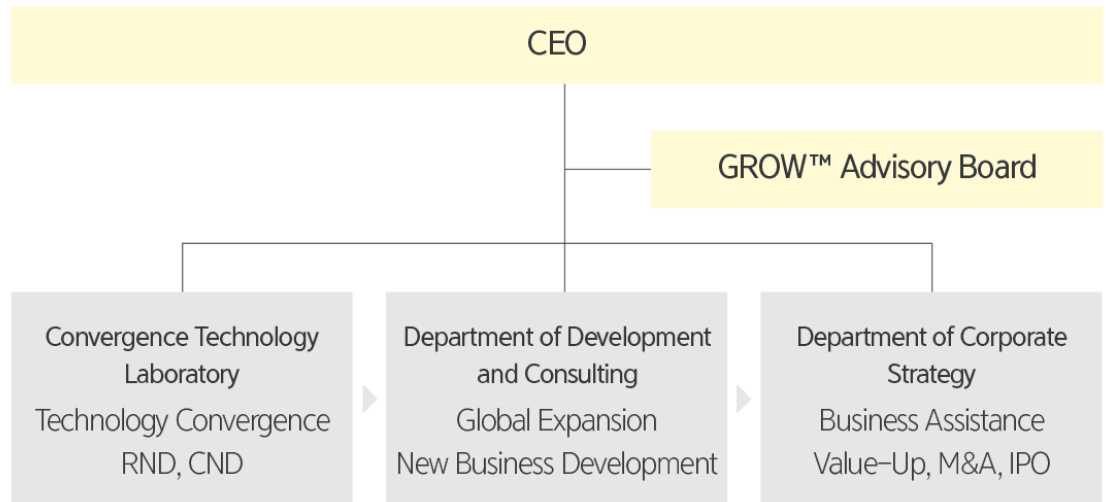
Company Introduction

- Name: Lynchpin Co., Ltd.
- Main Product: Parts Book Software Solution Based on Partsbook Distribution Management Solution and Supply Chain Management Solution
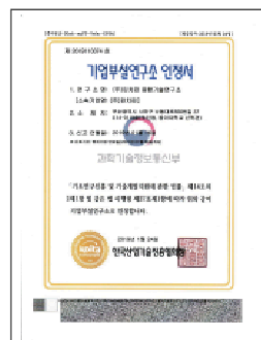- Business Type: Service, PartsBook Management, Smart Factory Software Development and Supply

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                          CEO
                           |
                           +----------- GROW™ Advisory Board
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Convergence Technology Laboratory	Department of Development and Consulting	Department of Corporate Strategy
Technology Convergence RND, CND	Global Expansion New Business Development	Business Assistance Value-Up, M&A, IPO

GROW™ Advisory Board : Professional Advisory Group of Lynchpin
Experts in Various Fields for Business Growth
Global Networking

Core Competency

- Developers with 20+ years of experience in the industry.
- Unparalleled experiences and records in Partsbook market
- Selected as "First Penguin" by Korea Credit Guarantee Fund (KODIT) in 2019

Certification and Prize

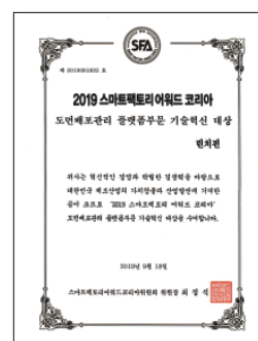|			
Business-Affiliated Research Institute Certification (KOITA)	Research Company Registration (Ministry of Science and ICT)	Outstanding Technical Competency Certification (KED)	First Penguin (KODIT)
Citation (Busan Regional SMEs and Startups Office)	Citation (Busan Chamber of Commerce and Industry)	Smart Factory Technical Innovation Grand Prize (SFA)	Copyright Registration

"Company discerning the value of preparation from real (PREP from REAL)"

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LINK CORE PARTs?™

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● Shuttle bus ■ Bus stop