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Dassault Systemes ORTEMS APS

PowerPoint Presentation Structure for Solution Introduction

1. Introduction: ORTEMS APS

Overview of Solution Introduction

Dassault Systemes' DELMIA Ortems APS (Advanced Planning and Scheduling)

is a cutting-edge software that innovatively improves

the production planning and scheduling of manufacturers.

This introduction aims to comprehensively analyze the technical characteristics,
management benefits,

real application cases,

and market competitiveness of ORTEMS APS

to effectively organize them into a PowerPoint presentation.



Especially, it shows excellent effects in improving delivery compliance and reducing inventory in finite capacity production environments[1-5][1-9].

2.2

Dassault Systemes' Technological Capabilities and Position in the Market

Dassault Systemes holds a leading position in the global 3D

design and engineering software market, and ORTEMS APS

is a key solution that supports the digital transformation of the manufacturing industry based on these technological capabilities. ORTEMS

is used in various industries such as aerospace, automotive, industrial equipment, packaging, etc.,

and has more than 16,000 users in 60 countries. Global companies such as GE Power, Heineken, Merck Serono, Thales

are actively using this solution for production operation management[2-1].

2.3 Integration with 3DEXPERIENCE Platform

After the acquisition by Dassault Systemes, ORTEMS

was integrated with DELMIA Quintiq (supply chain planning)

to provide end-to-end production optimization functions on the 3DEXPERIENCE

platform. This strengthens the linkage between virtual design and physical production,

and enables the construction of smart factories. The 3DEXPERIENCE

platform supports linkage with existing systems such as ERP, MES/MOM

based on a single data model, supporting the planning, execution, and optimization of global industrial operations on a single platform[4-1][4-3].

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[Context from previous section: g the planning, execution, and optimization of global industrial operations on a single platform[4-1][4-3].

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1. ORTEMS APS

Key Technologies and Features

3.1

Artificial Intelligence-Based Decision Support System

The most critical technical feature of ORTEMS APS is the artificial intelligence-based decision support system.

This system optimizes complex production plans and establishes the optimal production schedule considering various constraints.

In particular, it supports production managers to make optimal decisions in various situations by providing unlimited "what-if" simulations, real-time modifications, and impact analysis through constraint-based optimization[1-5][4-1].

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This feature is particularly effective in improving delivery compliance and reducing inventory in finite capacity production environments.

According to the technical white paper, when introducing APS, there were reports of efficiency improvements such as a 25% reduction in machine setup time and a 50% reduction in cycle time[2-3][4-1].

3.4

Data Integration and Collaboration Features

ORTEMS APS supports linkage with existing systems such as ERP, MES/MOM through the 3DEXPERIENCE platform.

Through this, it can manage the data needed for production planning in an integrated manner and promote collaboration among various stakeholders.

For example, Airbus Helicopters integrated SAP ERP and ORTEMS to manage everything from sales planning to daily production operations with a single tool, improving delivery compliance[4-3].

4. ORTEMS APS

Business Benefits

4.1

Improvement in Production Efficiency

Through the introduction of ORTEMS APS, companies can significantly improve production efficiency.

According to the technical white paper, when introducing APS, there were reports of efficiency improvements such as a 25% reduction in machine setup time and a 50% reduction in cycle time[2-3].

Such efficiency improvements lead to cost savings in production and increased productivity, contributing to enhancing the competitiveness of the company.

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4.2

Improvement in delivery compliance and reduction in inventory
ORTEMS APS

is effective in improving delivery compliance and reducing inventory in a finite capacity production environment[1-5][1-9].

In particular, through the constraint-based optimization function, it is possible to establish the optimal production schedule considering various constraints,

thereby improving the delivery compliance rate.

Also, by optimizing the inventory level through real-time monitoring and simulation functions,

you can reduce inventory costs.

4.2.2.1

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In particular, through integration with the 3DEXPERIENCE platform, it strengthens the linkage between virtual design and physical production, and enables the construction of smart factories[4-1][4-3].

Through this, companies can realize competitiveness enhancement through digital transformation.

5.

Customer Success Cases

5.1 DIXI Polytool Case

DIXI Polytool in Switzerland

introduced DELMIA Ortems for the optimization of production planning in a 24/7 operating factory.

The company was able to set reliable production goals by linking ERP data and APS, and the delivery rate of standard products within 24 hours was improved[2-2].

Also, through machine load and capacity monitoring,

it maximized equipment utilization efficiency and achieved the effect of shortening production lead time[2-2].

5.2 Airbus Helicopters Case

Airbus Helicopters

integrated SAP ERP and ORTEMS to manage everything from sales planning to daily production operations with a single tool, improving delivery compliance[4-3].

Through this, it secured the consistency of production planning and was able to adjust production plans by understanding the situation of the production site in real time.

5.3 GDC Technics Case

GDC Technics

achieved digital continuity by managing aircraft modification work and certification agency requirements simultaneously using the 3DEXPERIENCE platform[4-7].

This is a case that shows that the integration effect of the platform extends from supply chain planning to production execution.

5.4

Other Global Company Application Cases

ORTEMS

is being used in various industrial fields such as aerospace, automotive, industrial equipment,

packaging, and global companies such as GE Power, Heineken, Merck Serono, Thales are using this solution for production operation management.

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It is actively being utilized [2-1].

Various application cases in these diverse industrial fields are evidence that proves the versatility and effectiveness of ORTEMS APS.

6.

Market Competitiveness Analysis

6.1



is being utilized in various industrial fields such as aerospace, automotive, industrial equipment, and packaging [2-1].

Especially, it is effective in improving delivery compliance and reducing inventory in complex production environments, so it has high applicability in various industrial fields.

6.3

Position in the Global Market

ORTEMS

has more than 16,000 users in 60 countries, and global companies such as GE Power, Heineken, Merck Serono, Thales are actively using this solution for production operation management [2-1].

This is evidence that ORTEMS APS is in a leading position in the global market.

7.

PowerPoint Slide Composition Plan

7.1

Overall Slide Composition and Flow

It is effective to structure the ORTEMS APS PowerPoint introduction as follows:

1.

Cover Slide: Solution name, subtitle, Dassault Systemes logo, presenter information

2.

Table of Contents Slide: Present an overview of the entire content

3.

Solution Overview: Definition, background, and market position of ORTEMS APS

4.

Key Technology and Features: AI-based decision support, real-time monitoring, constraint-based optimization, etc.

5.

Management Benefits: Improving production efficiency, improving delivery compliance, cost-saving effects, etc.

6.

Customer Success Stories: DIXI Polytool, Airbus Helicopters, GDC Technics, etc.

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[Context from previous section: saving effects, etc.

6.

Customer Success Stories: DIXI Polytool, Airbus Helicopters, GDC Technics, etc.

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1.



Considerations when introducing
10.

Conclusion and Suggestions: Summary,

Inquiry and support information for introduction

This flow is structured to systematically convey from the overview of the solution, technical characteristics, managerial benefits, actual application cases, market competitiveness, and introduction effects.

7.2

Slide Design Guide by Section

For effective slide design for each section, the following guides are provided:

7.2.1

Solution Overview Section

Design Concept:

Professional and trustworthy design reflecting Dassault Systèmes' brand identity

Color Composition:

Maintain brand consistency using Dassault Systèmes' official colors (blue,

gray, etc.)

Visual Elements: ORTEMS APS

logo, a diagram visualizing the integration with the 3DEXPERIENCE

Platform

Text Composition:

Concisely and clearly convey the definition, background,

and position in the market of the solution

7.2.2

Key Technology and Function Section

Design Concept:

Visually express technical characteristics for easy understanding

Color Composition:

Use accent colors to emphasize technical characteristics (e.g.,

AI functions are blue,

real-time monitoring is green, etc.)

Visual Elements:

Diagrams visualizing AI-based decision support, real-time monitoring,

**constraint-based optimization, etc.,
flowcharts**

Text Composition:

Concisely and clearly convey the features and advantages of each function

7.2.3

Managerial Benefits Section

Design Concept:

Visually express managerial benefits for intuitive understanding of effects

Color Composition:

Use accent colors to emphasize effects such as efficiency improvement,

cost reduction, etc. (e.g.,

efficiency improvement is green,

cost reduction is red, etc.)

Visual Elements:

Graphs visualizing effects such as 25% reduction in machine setup time,

50% reduction in cycle time, charts

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[Context from previous section: visualizing effects such as 25% reduction in machine setup time,

50% reduction in machine cycle time, charts

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Convey the effects of the solution intuitively through actual application cases

Color composition:

Enhance trust by using each company's brand colors

Visual elements: Images and graphs visualizing success stories of DIXI Polytool, Airbus Helicopters, GDC Technics

Text composition:

Concisely and clearly convey the background of each case, the effects of introduction, and the results

7.2.5

Market competitiveness analysis section

Design concept:

Visually express the differentiated factors compared to competitors to intuitively understand competitiveness

Color composition:

Use emphasis colors to highlight differentiated factors compared to competitors

Visual elements:

Diagrams and charts visualizing differentiated factors compared to competitors, applicability in various industries, position in the global market

Text composition:

Concisely and clearly convey the features and advantages of each element

7.2.6 3DEXPERIENCE

Integration with the platform section

Design concept: 3DEXPERIENCE

Visually express the integration with the platform to intuitively understand end-to-end production optimization

Color composition: 3DEXPERIENCE

Maintain consistency by using the brand colors of the platform

Visual elements:

Diagrams and flowcharts visualizing features such as end-to-end production optimization, real-time decision-making support, data integration and collaboration enhancement

Text composition:

Concisely and clearly convey the features and advantages of each function

7.2.7

Introduce

Design concept:

Visually € ROI to int investme

Color compositio

Use empl introduce

Visual elements:

Graphs a introduce

Text composition

Concisely and cl
and ROI

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7.3

Data Visualization Strategy

For effective data visualization, the following strategies can be utilized:

1.

Utilizing visualization techniques from historical cases:

Like the map of Napoleon's march route, which uses the thickness of the line to represent the size of the troops, and combines environmental impacts like a temperature graph, this method demonstrates the standard of narrative data delivery[3-2].

For example, the change in production efficiency before and after the introduction of ORTEMS APS can be represented by a line graph, and the magnitude of each indicator's change can be represented by the thickness of the line.

2.

Choosing an effective chart type:

In technical solutions, Gantt charts (project schedule), Heatmaps (resource distribution), Chord Diagrams (process interconnectivity) effectively represent complex data patterns[3-7].

When explaining the features and effects of ORTEMS APS, these types of charts can be appropriately utilized.

3.

Using infographics: IT security,

Emphasizing corporate IT tasks such as lack of expertise through infographics can be utilized[3-8]. ORTEMS APS

The issues of production planning and schedule management that can be solved by ORTEMS APS can be represented by infographics for intuitive understanding.

4.

Step-by-step visualization: The RPA 30-60-90

The day execution plan can be visualized with a step-by-step cube diagram to enhance understanding and execution[3-18][3-8]. The introduction process and effects of ORTEMS APS can be visualized step by step for easy understanding.

7.4

Layout for Effective Message Delivery

For effective message delivery, the following layout strategies can be utilized:

1.

Limiting 1-2 key messages per slide:

To deliver complex content concisely, limit the key messages to 1-2 per slide.

2.

Using a visual hierarchy:

Adjust the size, color, and position of text and visual elements according to importance to create a visual hierarchy.

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1.

Use of consistent design elements:



Cover slide

- Title: "Dassault Systemes DELMIA Ortems APS Solution Introduction"
- Subtitle: "Innovation in production planning and scheduling through digital transformation"
- Visual elements: Dassault Systemes logo, ORTEMS APS logo, 3DEXPERIENCE platform logo
- Design: A professional and trustworthy design reflecting Dassault Systemes' brand identity
- Color scheme: Maintain brand consistency by using Dassault Systemes' official colors (blue, gray, etc.)

8.2

Table of Contents slide

- Table of Contents: 1. Solution Overview, 2. Key Technologies and Features, 3. Managerial Benefits, 4. Customer Success Stories, 5. Market Competitiveness Analysis, 6. Integration with the 3DEXPERIENCE Platform, 7. Introduction Effects and ROI, 8. Conclusion and Suggestions
- Design: Each section is visually distinguished for intuitive understanding
- Visual elements: Use icons or images representing each section
- Text composition: Deliver the table of contents concisely and clearly

8.3

Solution Overview slide

- Title: "DELMIA Ortems APS Solution Overview"
- Content:
 - Solution definition: "DELMIA Ortems APS is a solution that optimizes complex production plans through an AI-based decision support system, continuously monitors the production site situation through real-time monitoring and simulation, and establishes the optimal production schedule through constraint-based optimization."
 - Background: "After Dassault Systemes acquired it in 2016, it was integrated with DELMIA Quintiq (supply chain planning) and started providing end-to-end production optimization functions on the 3DEXPERIENCE platform."

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Market position: "ORTEMS is used in various industries such as aerospace, automotive, industrial equipment, packaging, etc., and has more than 16,000 users in 60 countries."

Visual elements: Logo of ORTEMS APS, diagram visualizing integration with the 3DEXPERIENCE platform

- Design: Professional and trustworthy design reflecting Dassault Systèmes' brand identity

-



AI-based decision support: "Optimizes complex production plans and establishes the optimal production schedule considering various constraints."

Real-time monitoring and simulation: "Continuously grasp the situation on the production site and compare various scenarios."

Constraint-based optimization: "Establishes the optimal production schedule considering various constraints (equipment capacity, manpower, materials, delivery, etc.)."

Data integration and collaboration: "Supports connection with existing systems such as ERP, MES/MOM through the 3DEXPERIENCE platform."

Visual elements: Diagrams visualizing features such as AI-based decision support, real-time monitoring, constraint-based optimization, flowcharts

- Design: Visually expressing technical characteristics for easy understanding

-

Color scheme: Use of accent colors to emphasize technical characteristics (e.g., AI functions in blue, real-time monitoring in green, etc.)

8.5

Management Benefit Slide

- Title: "Management Benefits of DELMIA Ortems APS"

- Content:

-

Production efficiency improvement:

"According to the technical white paper, when APS is introduced, machine setup time is reduced by 25%, cycle time is shortened by 50%, and other efficiency improvements have been reported."

Delivery compliance rate improvement and inventory reduction: "It is effective in improving the delivery compliance rate and reducing inventory in a finite capacity production environment."

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- Content:
 - DIXI Polytool case: "DIXI Polytool in Switzerland has introduced DELMIA Ortems for optimizing the production plan of a 24/7 operating factory. By linking ERP data and APS, it has become possible to set reliable production goals, and the delivery compliance rate for standard products has improved."
 - Airbus Helicopters case: "Airbus Helicopters has integrated SAP ERP and ORTEMS to manage everything from sales planning to daily production operations with a single tool, improving delivery compliance."
 - GDC Technics case: "GDC Technics has achieved digital continuity by managing aircraft modification work and increased engine requirements simultaneously using the 3DEXPERIENCE platform."
 - Other global company application cases: "ORTEMS is being used in various industries such as aerospace, automotive, industrial equipment, packaging, etc., and global companies like GE Power, Heineken, Merck Serono, Thales are actively using this solution for production operation management."
 - Visual elements: Images and graphs visualizing the success stories of DIXI Polytool, Airbus Helicopters, GDC Technics, etc.
 - Design: Delivering the effects of the solution intuitively through actual application cases.
 - Color composition: Enhancing trust by using each company's brand colors.
- 8.7 Market competitiveness analysis slide
- Title: "Market Competitiveness Analysis of DELMIA Ortems APS"
 - Content:

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[Context from previous section: competitiveness analysis slide

- Title: "Market Competitiveness Analysis of DELMIA Ortems APS"
- Content:

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Competitive differentiation: "The integration with Dassault Systèmes' 3DEXPERIENCE platform provides end-to-end production optimization, which differentiates it from competitors."

Applicability by industry: "It is used in various industries such as aerospace, automotive, industrial equipment, and packaging."

Position in the global market: "ORTEMS has over 16,000 users in 60 countries, and global companies such as GE Power, Heineken, Merck Serono, Thales actively use this solution for production operation management."

Visual elements: Diagrams and charts visualizing competitive differentiation, applicability by industry, and position in the global market.

Design: Visually expressing the competitive differentiation to intuitively understand the competitiveness.

Color scheme: Using accent colors to emphasize the competitive differentiation.

8.8 Integration with 3DEXPERIENCE platform slide

-

Title: "Integration with 3DEXPERIENCE Platform"

Content:

End-to-end production optimization: "The production planning and scheduling functions of ORTEMS (now DELMIA Ortems) are integrated with DELMIA Quintiq's supply chain planning functions, supporting the planning, execution, and optimization of global industrial operations on a single platform."

Real-time decision-making support: "The integrated platform provides unlimited 'what-if' simulations, real-time modifications, and impact analysis through constraint-based optimization."

Data integration and collaboration enhancement: "The 3DEXPERIENCE platform supports linkage with existing systems such as ERP, MES/MOM based on a single data model."

Visual elements: Diagrams and flowcharts visualizing functions such as end-to-end production optimization, real-time decision-making support, and data integration and collaboration enhancement.

Design: Visually expressing the integration with the 3DEXPERIENCE platform to intuitively understand the end-to-end production optimization function.

Color scheme: Maintaining consistency by using the brand colors of the 3DEXPERIENCE platform.

8.9

Introduction effect and ROI slide



effects."

-

Considerations when introducing: "When introducing APS, considerations include integration with existing systems, user training, and data quality management."

Visual elements:

Graphs and charts visualizing the introduction effect and ROI

- Design:

Visually expressing the introduction effect and ROI to intuitively understand the return on investment

Color composition:

Use of accent colors to emphasize the introduction effect and ROI

8.10

Conclusion and suggestion slide

- Title: "

Conclusion and Suggestions"

- Content:

- Summary: "DELMIA Ortems APS

is a solution that optimizes complex production plans through an AI-based decision support system, continuously understands the situation on the production site through real-time monitoring and simulation, and establishes the optimal production schedule through constraint-based optimization. It provides end-to-end production optimization features through integration with the 3DEXPERIENCE platform and is used in various industrial fields."

- Suggestions: "

Companies may consider introducing DELMIA Ortems APS to improve the efficiency of production planning and schedule management, improve delivery compliance, and reduce waste."

Inquiry for introduction and support information: "For detailed information or inquiries about DELMIA Ortems APS, please contact the Dassault Systèmes official website or sales representative."

Visual elements:

Dassault Systèmes logo,

contact information, etc.

- Design:

Concisely and clearly convey conclusions and suggestions

Color composition:

Maintain brand consistency by using Dassault Systèmes' official colors (blue, gray, etc.)

9.

Points to note when creating PowerPoint

9.1

Maintain visual consistency

Brand identity:

Maintain a design that reflects Dassault Systèmes' brand identity.

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Color scheme:

Utilize Dassault Systèmes' official colors (blue, gray, etc.)

to maintain brand consistency.

- Font:

Use the font recommended by Dassault Systèmes to maintain consistency.



position, etc. of text and visual elements according to their importance

to create a visual hierarchy.

Balance between data visualization and text:

Balance data visualization and text to make it easy to understand visually

and supplement with text explanations.

9.3

Storytelling-style composition

Flow of problem statement → solution presentation → effect explanation → success case → conclusion:

Use a storytelling-style composition

to naturally convey the content.

Connectivity of each section:

Arrange each section to connect naturally,

maintaining the overall flow.

Consistency of the message:

Deliver a consistent message throughout the presentation.

10. Conclusion

The Dassault Systèmes ORTEMS APS

PowerPoint presentation of the solution should be structured to systematically convey everything from an overview of the solution to its technical characteristics, managerial

benefits,

actual application cases,

market competitiveness,

and the effects of introduction.

In particular, it is important to focus on the end-to-end production optimization function through integration with Dassault Systèmes' 3DEXPERIENCE platform and the AI-based decision support system, balancing the technical understanding and managerial value to be conveyed.

For effective PowerPoint production, it is necessary to maintain visual consistency, ensure clarity and conciseness of information,

and utilize a storytelling-style composition. Also,

balance data visualization and text

to make it easy to understand visually and supplement with text explanations.

A PowerPoint presentation of the ORTEMS APS

solution, created based on these structures and strategies, will effectively convey Dassault Systèmes'

technical prowess and market position, and balance the technical characteristics and managerial benefits of ORTEMS APS

to help potential customers intuitively understand the value of the ORTEMS APS solution and consider its adoption.

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[Context from previous section: potential customers intuitively understand the value of the ORTEMS APS

solution and consider its adoption.

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Reference Materials

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And Operations" Link

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