

IMAGE JUDGMENT SYSTEM MANUAL

1. 시스템 소개

2. Judgment PC의 기능

- 2.0. Server 접속 방법
- 2.1. 사용자 등록/수정/삭제
- 2.2. 단축키 설정
- 2.3. NG사유 등록/수정/삭제
- 2.4. 비전별 NG사유 매핑/수정
- 2.5. 로그인
- 2.6. 디스패칭
- 2.7. 판정 화면
- 2.8. 프로그램 종료

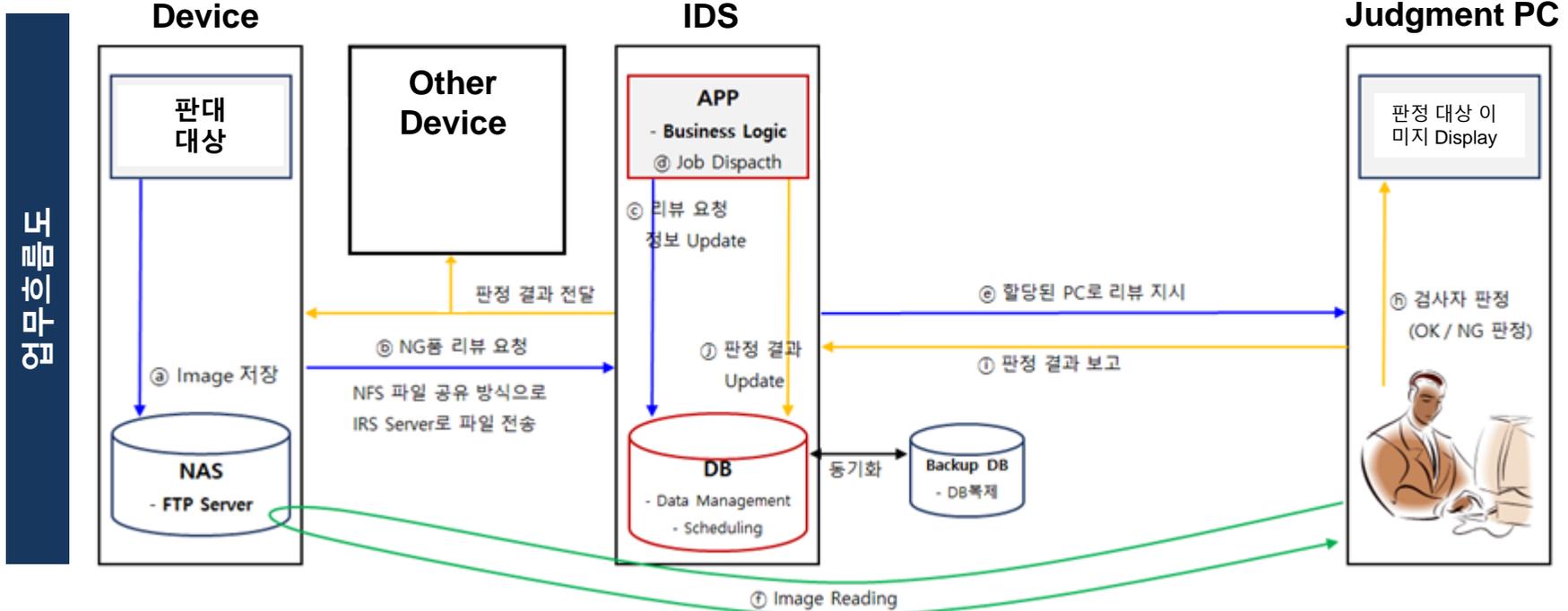
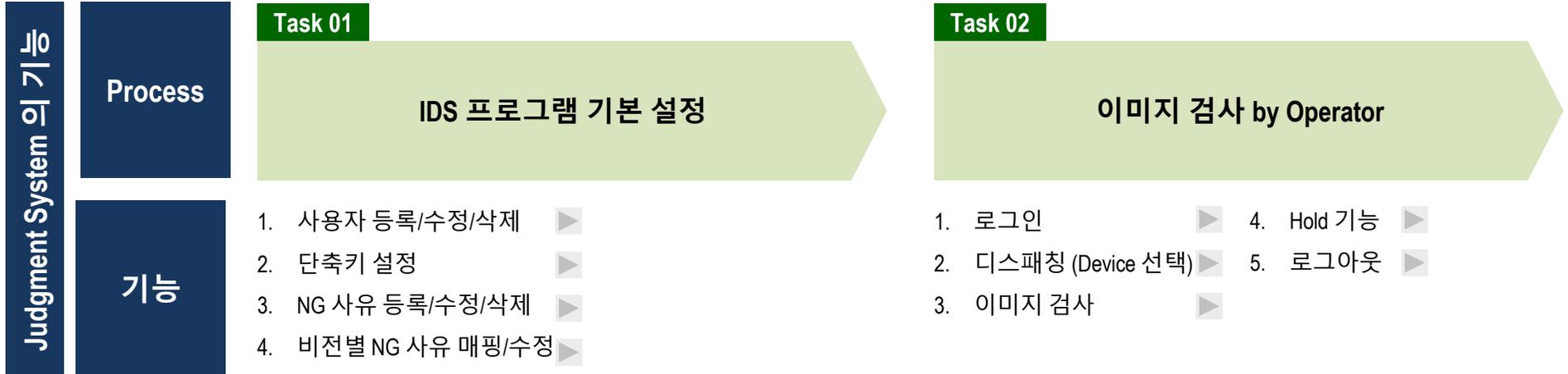
3. Image Dispatch Server의 기능

- 3.1. 화면상의 기능 설명
- 3.2. 기능 세부 설명
- 3.3. 명령어 입력 모드

(주)디오비에스

1. 시스템 소개

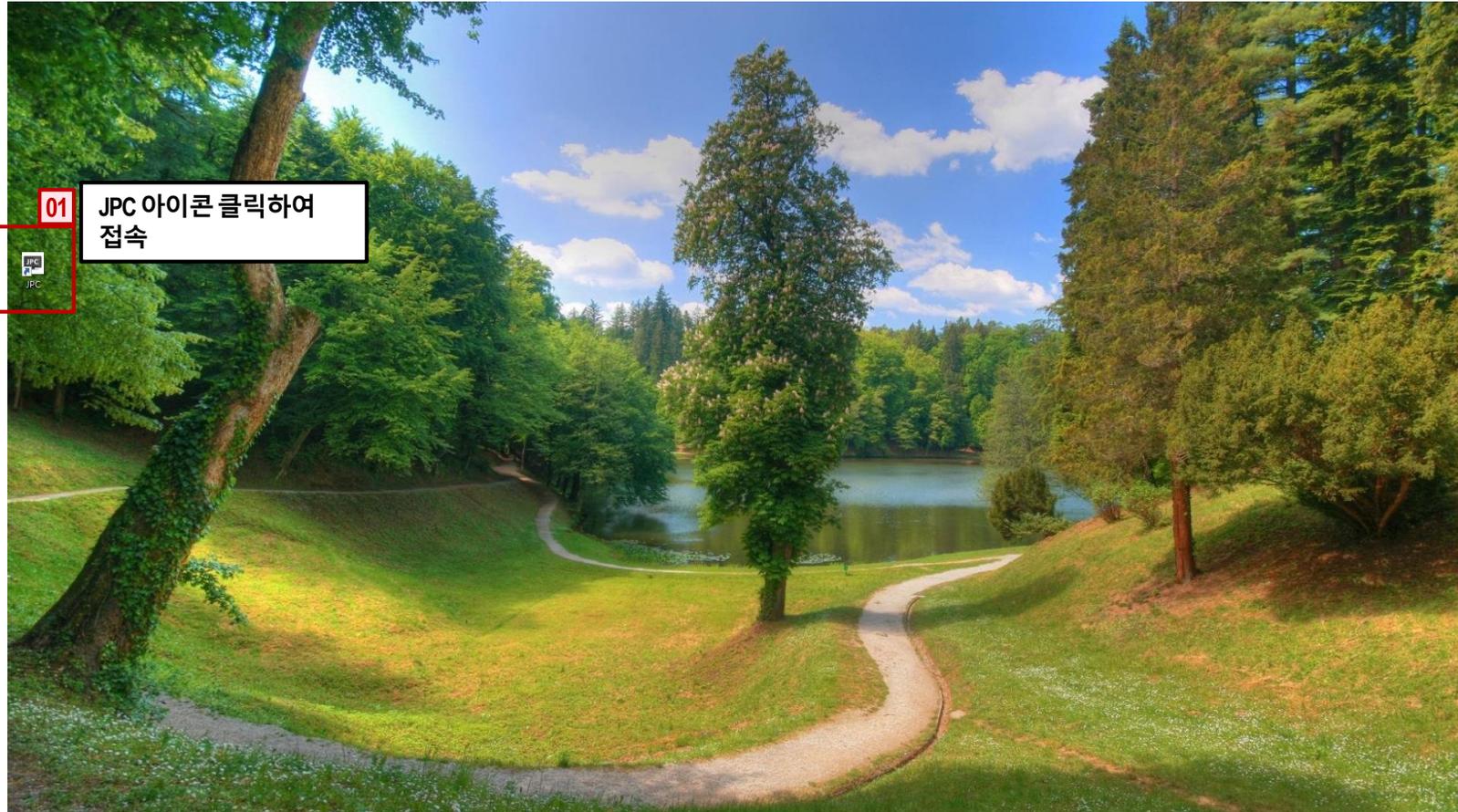
IJS(Image Judgment System)는 요청 Device로 부터 Image 판정 요구를 받아 작업자가 결과를 판정하는 작업을 현장이 아닌 사무실에서 정확하고 빠른 검사 판정 수행을 목적으로 하며 아래와 같은 기능이 있음.



2.0. JPC 실행 방법

Step1

IDS 접속



2.1. 사용자 등록/수정/삭제

Step1

사용자 등록

JPC 시스템 접속 후 첫 화면

The screenshot displays the 'Inspection' system interface. The main window is titled 'Inspection' and features a top navigation bar with icons for home, user, settings, and refresh. A red box highlights the user icon, with a callout box labeled '01' and the text '사람 아이콘 클릭' (Click person icon). The interface is divided into several sections:

- Inspection Information:** Fields for Equipment, LOT, and CELL ID.
- Inspection Status:** A table with columns for Inspection, EQP ID, CELL ID, and Judge.
- Communication Status:** A table with columns for Device and Status.
- NG Reason (S):** A dropdown menu and an input field.
- Buttons:** 'Hold', 'OK (O)', and 'NG (N)' buttons.

The top right corner shows '0 Remaining' and a 'Login' button. The version number 'v1.1.18' is visible in the bottom right corner.

2. Judgment PC의 기능

2.1. 사용자 등록/수정/삭제

01

02

03

04

05

06

Step2

사용자 등록

The screenshot displays the 'User Registration' interface. At the top, there are navigation icons and a 'Login' button. Below this, there are search filters for 'Group' (set to 'ALL'), 'User ID', and 'Login Period'. A table lists existing users with columns for No., User ID, Password, Name, Department, Group, Create Time, Last Login Time, and Memo. A 'Create User' modal form is open, containing fields for Group (Administrators), User ID (PI), Password, Password Confirm, Name, Department, and Memo. A 'Create' button is highlighted with a red box and labeled '03'. A red arrow points from the 'Create' button in the modal to the 'Create' button in the main interface, which is labeled '01'. A red box labeled '02' encompasses the 'Create User' form. A text box on the right provides instructions for new user registration.

01

02

03

신규 사용자 등록

- ① Group : Administrators, User 중 택 1
- ② User ID : 신규 아이디 입력
- ③ Password : 신규 비밀번호 입력
- ④ Password Confirm : 비밀번호 재입력

2. Judgment PC의 기능

2.1. 사용자 등록/수정/삭제

01

02

03

04

05

06

Step3

사용자 등록 확인

User Registration

Login Period 2022-10-15 00:00 - 2022-10-18 23:59

Name	Department	Group	Create Time	Last Login T
		Administrators	2022-10-18 11:54:35	

기 등록된 Administrator사용자의 아이디와 패스워드 입력

Group Administrators **01**

Check task permissions

User ID: P11 **02**

Password: ●●●●●●

OK Cancel

Create Cancel

User Registration

Login Period 2022-10-15 00:00 - 2022-10-18 23:59

Name	Department	Group	Create Time	Last Login
		Administrators	2022-10-18 11:54:35	

Create User

i The user creation is complete.

OK **03** 클릭

Create Cancel

2. Judgment PC의 기능

01

02

03

04

05

06

2.1. 사용자 등록/수정/삭제

Step1

사용자 수정

업데이트할 항목 선택 ID Login Period 2022-10-15 00:00 - 2022-10-18 23:59

	User ID	Password	Name	Department	Group	Create Time	Last Login Time	Memo
01	2	22222222	*****		Users	2022-10-11 14:57:30	2022-10-17 15:21:27	
	3	TEST1	*****		Users	2022-10-13 19:04:01	2022-10-13 20:24:14	
	4	TEST2	*****		Users	2022-10-13 19:04:13	2022-10-13 20:46:46	
	5	TEST3	*****		Users	2022-10-13 19:04:34	2022-10-13 20:24:13	
	6	ADMIN	*****					
	7	PI1	*****					
	8	QA1	*****					

Update User

Group: Users

User ID: 22222222

Password:

Password Confirm:

Name:

Department:

Memo:

클릭 Update Cancel

기존 사용자 정보 업데이트

- ① Group : Administrators, User 중 택 1
- ② User ID : 수정할 아이디 입력
- ③ Password : 수정할 비밀번호 입력
- ④ Password Confirm : 비밀번호 재입력

2. Judgment PC의 기능

2.1. 사용자 등록/수정/삭제

01

02

03

04

05

06

Step2

사용자 수정 확인

User Registration

Login Period 2022-10-15 00:00 - 2022-10-18 23:59

Name	Department	Group	Create Time	Last Login T
		Administrators	2022-10-18 11:54:35	

사용자의 아이디와 패스워드 입력

Group Administrators

User ID: P11

Password: ●●●●●●

01

02

OK Cancel

Create Cancel

User Registration

Login Period 2022-10-15 00:00 - 2022-10-18 23:59

Name	Department	Group	Create Time	Last Login
		Administrators	2022-10-18 11:54:35	

Create User

The user creation is complete.

03

OK 클릭

Create Cancel

2.1. 사용자 등록/수정/삭제

Step1

사용자 삭제

The screenshot displays the 'User Registration' interface. At the top, there are navigation icons and a 'Login' button. Below that, there are filters for 'Group' (set to 'ALL'), 'User ID', and 'Login Period'. A table lists users with columns for 'User ID', 'Password', 'Name', 'Department', 'Group', 'Create Time', and 'Last Login Time'. A red box labeled '01' highlights the first row of the table, with a callout box saying '삭제할 항목 선택' (Select item to delete). A red arrow points from this row to a 'Delete' button in the top right, which is also highlighted with a red box labeled '02' and a callout box saying '삭제 버튼 클릭' (Click delete button). Another red arrow points from the 'Delete' button in the top right to a modal dialog titled 'Delete User'. The modal dialog has fields for 'Group' (set to 'Users'), 'User ID' (11111111), 'Password', 'Password Confirm', 'Name', 'Department', and 'Memo'. A red box labeled '03' highlights the 'Delete' button at the bottom of the modal dialog, with a callout box saying '삭제 버튼 클릭' (Click delete button).

	User ID	Password	Name	Department	Group	Create Time	Last Login Time
01	11111111	*****			Users	2022-10-11 14:56:03	2022-10-11 16:04:25
2	22222222	*****			Users	2022-10-11 14:57:30	2022-10-17 15:21:27
		*****			Users	2022-10-13 19:04:01	2022-10-13 20:24:14
		*****			Users	2022-10-13 19:04:13	2022-10-13 20:46:46
5	TEST3	*****					2022-10-13 20:24:13
6	ADMIN	*****					
7	PI1	*****					
8	QA1	*****					



2.2. 단축키 설정

Step1

단축키 설정

01 클릭

02

03 저장 버튼 클릭

Review Information

Shortcut keys
The "ESC" key cannot be used.

OK O NG N

Reason Popup S

Confirm 500 (Millisecond)

Judgement start alarm (Max 10K byte)

Basic

Inspection

0 Remaining Login

Inspection Information

Equipment	
LOT	
CELL ID	

Inspection Status

Inspection	EQP ID	CELL ID	Judge

Communication Status

Device	Status	Device	Status
DFS_CLU03	ONLINE		
DFS_CLU02	ONLINE		

NG Reason (S)

Input

OK (O) NG (N)

- ① Shortcut keys : OK, NG, NG 버튼 단축키 설정
- ② Confirm : 판정 확인 팝업 창 노출 화면 시간 조정 (0 입력시 팝업 창 노출 안됨)
- ③ Judgement start alarm : 판정 시 알람 소리 설정

2.3. NG 사유 등록/수정/삭제

Step1

NG 사유 등록

01 클릭

02 신규 등록할 Defect Type, Reason 입력

Code: D002
Reason: 불량#3

03 Update Delete
추가 버튼 클릭

Defect Type	Reason
D000	불량#1
D001	불량#2
D002	불량#3

Inspection Information

EQP	
LOT	
CELL ID	
DATE	

Inspection Status

Inspection	EQP ID	CELL ID	Judge

Hold

Communication Status

Device	Status	Device	Status

NG Reason (LShift)

Input

OK (O) NG (N)

2.3. NG 사유 등록/수정/삭제

Step2

NG 사유 등록 확인

Reason Registration

Code: D004

Reason: 불량#4

Add Delete

Defect Type	Reason
D000	불량#1
D001	불량#2
D002	불량#3

01

Check task permissions

User ID:

Password:

02 OK Cancel

Administrator사용자의 아이디와
패스워드 입력

Close

Reason Registration

Code: D004

Reason: 불량#4

Update Delete

Reason registration has been completed.

03 OK 클릭

Close

2.3. NG 사유 등록/수정/삭제

Step3

NG 사유 수정

수정할 NG 사유 선택

기존 내용 수정

Code D000

Reason 불량#1

Update Update 버튼 클릭

Defect Type	Reason
D000	불량#1
D001	불량#2
D002	불량#3
D004	불량#4

Close

2.3. NG 사유 등록/수정/삭제

Step4

NG 삭제

Reason Registration

Code

Reason

Defect Type	Reason
D000	불량#1
D001	불량#2
D002	불량#3
D004	불량#4

삭제할 NG 사유 선택

01

Delete 버튼 클릭

02



01

02

03

04

05

06

2.4. 로그인

Step1

로그인

01 로그인 버튼 클릭

02 본인 아이디 입력

Work EQP	Sel	Judge	Create	EQP Name	Remain Count
<input checked="" type="checkbox"/>	1				7

CELL ID	Judge

Device	Status

Inspection Information

Equipment

LOT

CELL ID

Inspection Status

NG Reason (S)

Input

OK (O) NG (N)

2.5. 디스패칭

Step1

디스패칭 - Device 선택

Inspection

0 Remaining Login

Inspection Information

Equipment

LOT

CELL ID

Inspection Status

CELL ID Judge

User ID

Work EQP

Work EQP	Sel	Judge	Create	EQP Name	Remain Count
1	<input checked="" type="checkbox"/>				

판정할 Device 체크 (복수 가능)

01

02

클릭

OK Cancel

NG Reason (S)

Input

OK (O) NG (N)

2.5. 디스패칭

Step2

디스패칭 후 판정 시작 화면

The screenshot displays the Judgment PC interface. At the top, the title bar reads "Inspection" and includes a "Logout" button. The main area is a large dark gray rectangle. In the center, a red-bordered box highlights a message: "01 MARK301 데이터 판정을 시작합니다." (01 MARK301 data judgment starts). Below the message are two buttons: "OK" and "클릭" (Click). The right side of the interface contains several sections: "Inspection Information" with fields for Equipment, LOT, and CELL ID; "Inspection Status" with a table with columns Inspection, EQP ID, CELL ID, and Judge; "Communication Status" with a table with columns Device and Status; and "NG Reason (S)" with an input field. At the bottom right, there are buttons for "Hold", "OK (O)", and "NG (N)".

Inspection	EQP ID	CELL ID	Judge

Device	Status	Device	Status



2.6. 판정 화면

Step1

판정 화면 노출

이미지 판정 화면

Inspection

0 Remained 99999999 Logout

Inspection Information

EQP [REDACTED]
LOT [REDACTED]
CELL ID [REDACTED]
DATE [REDACTED]

Inspection Status

Inspection	EQP ID	CELL ID	Judge

Hold

Communication Status

Device	Status	Device	Status
[REDACTED]	ONLINE		

NG Reason (LShift)

Input

OK (O) NG (N)

2.6. 판정 화면

Step2

OK 판정

The screenshot displays the 'Inspection' software interface. At the top, it shows '0 Remained' and '99999999' with a 'Logout' button. The main area is divided into several sections:

- Inspection Information:** Fields for EQP, LOT, CELL ID, and DATE.
- Inspection Status:** A table with columns for Inspection, EQP ID, CELL ID, and Judge.
- Communication Status:** A table with columns for Device and Status.
- NG Reason (LShift):** A text input field.

At the bottom right, there are two buttons: 'OK (O)' and 'NG (N)'. A red box highlights the 'OK (O)' button with the text '01 OK 버튼 클릭 또는 괄호 안 단축키 사용'.

2.6. 판정 화면

Step3

OK 판정 화면

The screenshot displays the Judgment PC interface. At the top, it shows 'Inspection' with a '0 Remained' indicator and the number '99999999'. A 'Logout' button is visible in the top right corner. The main area is divided into several sections:

- Inspection Information:** Fields for EQP, LOT, CELL ID, and DATE.
- Inspection Status:** A table with columns for Inspection, EQP ID, CELL ID, and Judge.
- Communication Status:** A table with columns for Device and Status, showing 'ONLINE'.
- NG Reason (LShift):** A dropdown menu and an input field.
- Buttons:** 'OK (O)' and 'NG (N)' buttons at the bottom.

A red-bordered pop-up window is centered on the screen, containing the text: "The [redacted] product was judged to be 'OK'". A red box labeled '01' is positioned at the top left of this pop-up. Below the pop-up, a red text box contains the instruction: "환경설정에서 Confirm 항목의 값을 '0'으로 설정하면 본 팝업창은 Display되지 않음."

2.6. 판정 화면

01

02

03

04

05

06

Step4

NG 판정 - NG 사유 선택

Inspection v1.1.30

0 Remained 99999999 Logout

Inspection Information

EQP [REDACTED]
LOT [REDACTED]
CELL ID [REDACTED]
DATE 2[REDACTED]

Inspection Status

Inspection	EQP ID	CELL ID	Judge

01 드롭박스 안 NG 사유 선택

D000.불량#1
D001.불량#2
D002.불량#3
D004.불량#4
D005.불량#5
D006.불량#6

Input

02 NG (N)

NG 버튼 클릭 또는 괄호 안 단축키 사용

** NG 단축키 : 첫번째 단축키를 누르면 NG 사유 드롭박스가 나타나고, 사유 선택 후 두번째 단축키를 누를 때 NG 판정이 이루어진다.

2.7. 프로그램 종료

01

02

03

04

05

06

Step1

Judgement PC 종료

The screenshot displays the Judgment PC software interface. At the top, there is a navigation bar with icons and a '01' label. A '종료 버튼 클릭' (Click End Button) label points to a circular icon with a right-pointing arrow. In the center, a dialog box asks 'Do you want to shut down the system?' with a red exclamation mark icon. Below the dialog box, there are three buttons: '클릭' (Click), 'YES' (with a '02' label), and 'NO'. The right side of the interface shows 'Inspection Information' (Equipment, LOT, CELL ID), 'Inspection Status' (table), 'Communication Status' (table), and 'NG Reason (S)' (input field). At the bottom right, there are 'OK (O)' and 'NG (N)' buttons.

Inspection

0 0 Remained Login

01

종료 버튼 클릭

Do you want to shut down the system?

클릭 YES NO

02

Inspection Information

Equipment	
LOT	
CELL ID	

Inspection Status

Inspection	EQP ID	CELL ID	Judge

Hold

Communication Status

Device	Status	Device	Status
DFS_CLU03	ONLINE		
DFS_CLU02	ONLINE		

NG Reason (S)

Input

OK (O) NG (N)

3. Image Dispatch Server의 기능

3.1. 화면상의 기능설명

IDS Image Dispatch Server

JPC List

Work EQP	Address	User ID	State
[REDACTED]	192.168.123.141	99999999	ON

1) 연결된 설비 기본 정보

```
2023-03-29 13:48:37 [JPC][192.168.123.141:13947] [99999999] [SEND] RSBV_R TRNX_ID=0000000129 VISION_TYPE=WELDING-PLUS REASON_LIST=D000,D001,D002,D004,D005,D006 RTN_CD=0 TRNX_ID=0000000129 TIME=20230329_13:48:37
2023-03-29 13:48:37 [JPC][192.168.123.141:13947] [99999999] [RECV] RSBV TRNX_ID=0000000129 VISION_TYPE=WELDING-PLUS REASON_LIST=D000,D001,D002,D004,D005,D006 RTN_CD=0 TRNX_ID=0000000129 TIME=20230329_13:48:37
2023-03-29 13:48:37 [JPC][192.168.123.141:13947] [99999999] [SEND] CADM_R RTN_CD=0 TRNX_ID=0000000128 TIME=20230329_13:48:37
2023-03-29 13:48:37 [JPC][192.168.123.141:13947] [99999999] [RECV] CADM TRNX_ID=0000000128 USER_ID=99999999 USER_PW=[LAcQ2h3JpSA=] TIME=20230329_13:48:37
2023-03-29 13:48:20 [JPC][192.168.123.141:13947] [99999999] [SEND] RSBV_R TRNX_ID=0000000126 VISION_TYPE=WELDING-MINUS REASON_LIST=D000,D001,D002,D004,D005,D006 RTN_CD=0 TRNX_ID=0000000126 TIME=20230329_13:48:20
2023-03-29 13:48:20 [JPC][192.168.123.141:13947] [99999999] [RECV] RSBV TRNX_ID=0000000126 VISION_TYPE=WELDING-MINUS REASON_LIST=D000,D001,D002,D004,D005,D006 RTN_CD=0 TRNX_ID=0000000126 TIME=20230329_13:48:20
2023-03-29 13:48:19 [JPC][192.168.123.141:13947] [99999999] [SEND] CADM_R RTN_CD=0 TRNX_ID=0000000125 TIME=20230329_13:48:19
2023-03-29 13:48:19 [JPC][192.168.123.141:13947] [99999999] [RECV] CADM TRNX_ID=0000000125 USER_ID=99999999 USER_PW=[LAcQ2h3JpSA=] TIME=20230329_13:48:19
2023-03-29 13:48:12 [JPC][192.168.123.141:13947] [99999999] [SEND] RSBV_R TRNX_ID=0000000123 VISION_TYPE=TAB REASON_LIST=D000,D001,D002,D004,D005,D006 RTN_CD=0 TRNX_ID=0000000123 TIME=20230329_13:48:12
2023-03-29 13:48:12 [JPC][192.168.123.141:13947] [99999999] [RECV] RSBV TRNX_ID=0000000123 VISION_TYPE=TAB REASON_LIST=D000,D001,D002,D004,D005,D006 RTN_CD=0 TRNX_ID=0000000123 TIME=20230329_13:48:12
2023-03-29 13:48:12 [JPC][192.168.123.141:13947] [99999999] [SEND] CADM_R RTN_CD=0 TRNX_ID=0000000122 TIME=20230329_13:48:12
2023-03-29 13:48:12 [JPC][192.168.123.141:13947] [99999999] [RECV] CADM TRNX_ID=0000000122 USER_ID=99999999 USER_PW=[LAcQ2h3JpSA=] TIME=20230329_13:48:12
```

2) Log 표시부

Command :

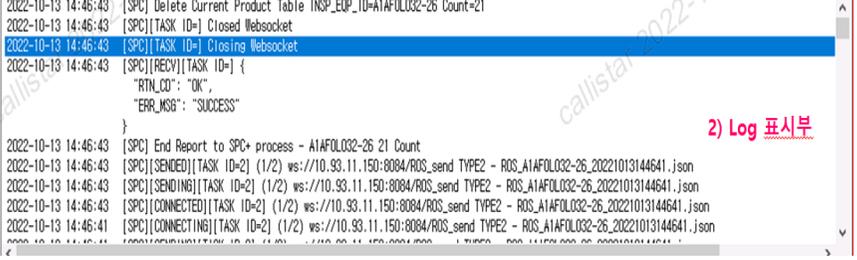
3) 명령어 입력 창

WatchdogAgent Database : 127.0.0.1,1433 System Type : 2 Main Ver : 1.2.9 Logic Ver : 1.1.2.26

4) 각종 정보 표시부

3. Image Dispatch Server의 기능

3.2. 기능 세부 설명

구분	설 명
	<p>서버와 연결되어 있는 Judgement PC의 정보와 해당 Judgement PC에서 현재 작업 중인 검사기의 정보를 표시함.</p>
	<p>Device와 IDS Server 간의 송수신 메시지를 실시간으로 Log창에 표시함.</p>
<div style="border: 2px solid red; padding: 5px;"> <p>Command : 3) 명령어 입력 창</p> <p>WatchdogAgent Database : 10.93.11.154,1433 System Type : 2 4) 각종 정보 표시부 Main Ver : 1.2.8 Logic Ver : 1.1.2.14</p> </div>	
	<p>4)는 명령어 입력창으로 각종 명령어는 3.3 참조.</p>