

1 新增內容

1.1 SysDefine.cs

1.1.1 新增兩個定義

```
public static bool InitialOk; //判斷 Initial 是否完成  
public static bool Lotend; //結批開關  
public static bool LotendOk; //結批完成  
public static bool ErrorStop; //錯誤停機  
public static bool HMIReady; //HMI 啟動完成  
public static bool HMIClose; //HMI 關閉  
  
public static byte OERPFrom = 0;  
public static string OERPType = string.Empty;  
private static bool mSysRun; //系統運行中  
public static bool SysRun //系統運行中  
{  
    get { return mSysRun; }  
    set
```

```
public static bool InitialOk; //判斷 Initial 是否完成  
public static bool Lotend; //結批開關  
public static bool LotendOk; //結批完成  
public static bool ErrorStop; //錯誤停機  
public static bool HMIReady; //HMI 啟動完成  
public static bool HMIClose; //HMI 關閉  
  
private static bool mSysRun; //系統運行中  
public static bool SysRun //系統運行中  
{  
    get { return mSysRun; }  
    set
```

1.2 內參設定

1.2.1 內參設定.cs

1.2.1.1 五個新增

1. Using System.IO;

2. 內參設定呼叫: ShowOeeType();

```
using System.Windows.Forms;
using KCSDK;
using CommonObj;
using System.IO;

namespace ProVSimpleProject
{
    public partial class 內參設定 : BaseOptionF
    {
        private List<Button> btnlist = new List<Button>();

        public 內參設定()
            : base("Setup")
        {
            InitializeComponent();

            TopLevel = true;
            FormBorderStyle = System.Windows.Forms.FormBorderStyle.FixedSingle;
            ControlBox = false;
            StartPosition = FormStartPosition.CenterScreen;
            ShowOeeType();
        }

        public override void Initial()
        {
    }
```

```
using System.Windows.Forms;
using KCSDK;
using CommonObj;

namespace ProVSimpleProject
{
    public partial class 內參設定 : BaseOptionF
    {
        private List<Button> btnlist = new List<Button>();

        public 內參設定()
            : base("Setup")
        {
            InitializeComponent();

            TopLevel = true;
            FormBorderStyle = System.Windows.Forms.FormBorderStyle.FixedSingle;
            ControlBox = false;
            StartPosition = FormStartPosition.CenterScreen;
        }

        public override void Initial()
        {
    }
```

3. 三個功能函示:

cboxOEEReportSel_SelectedIndexChanged()

ShowOeeType()

dcbOeeDataType_SelectedIndexChanged()

```
SYSPara.logDB.WriteLaserPowerCurve(lstPWR);  
}  
  
}  
  
private void cboxOEEReportSel_SelectedIndexChanged(obj  
{  
    SYSPara.OEERPFrom = (byte)dcbOeeSource.SelectedIndex;  
}  
  
private void ShowOeeType()  
{  
    string ModulePath = Directory.GetCurrentDirectory();  
  
    DirectoryInfo di = new DirectoryInfo(ModulePath);  
    bool isProductExist = false;  
    foreach (var file in di.GetFiles())  
    {  
        if (file.Extension == ".dll")  
        {  
            foreach (string item in dcbOeeDataType.Ite  
            {  
                if (!item.Contains(file.Name.TrimEnd(f  
                    continue;  
                else  
                    isProductExist = true;  
            }  
            if (!isProductExist)  
            {  
                string nameProduct = file.Name.TrimEnd(dcbOeeDataType.Items.Add(nameProduct);  
            }  
        }  
    }  
}  
  
private void dcbOeeDataType_SelectedIndexChanged(objec  
{  
    SYSPara.OEERPType = dcbOeeDataType.Text;  
}  
}  
}
```

1.2.2 內參設定.designer.cs

新增紅框部分，可以從新的 SimpleProject 複製過來，選擇變更事
件要設定。



1.3 HistoryLogger.cs

1.3.1 5個新增

1.3.1.1 System.Json



```
C:\...\stanley\Desktop\ProVSimpleProject\ProVSimpleProject\FormSet\HistoryLogger.cs C:\...\d9b3e66dc7add93402116190cf748\ProVSimpleProject\FormSet\HistoryLogger.cs
using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Linq;
using System.Text;
using System.Windows.Forms;
using ProVLlib;
using System.IO;
using System.Runtime.Serialization.Formatters.Binary;
using System.Runtime.InteropServices;
using System.Diagnostics;
using Microsoft.Win32;
using Newtonsoft.Json;

namespace ProVSimpleProject
```

```
using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Linq;
using System.Text;
using System.Windows.Forms;
using ProVLlib;
using System.IO;
using System.Runtime.Serialization.Formatters.Binary;
using System.Runtime.InteropServices;
using System.Diagnostics;
using Microsoft.Win32;
//using Newtonsoft.Json;

namespace ProVSimpleProject
```

1.3.1.2 資料庫儲存 SPC 類

1. oriMSG

2. 判別為 SPC，資料庫加入內容



```
List<String> MsgList = new List<string>();
private string oriMSG = string.Empty;
private void AddMsg(string mType, string mMsg)
{
    if (TypeList.IndexOf(mType) == -1)
        TypeList.Add(mType);

    //+ By Max 20180424
    mMsg = GetDate() + '\t' + GetTime() + '\t' + mType

    lock (locker)
    {
        MsgList.Add(mMsg);
    }

    //+ By Max 20200204 For LogAnalyzer
    try
    {
        //+ By Stanley 20250326 For LogAnalyzer
        if (mType == "SPC")
        {
            oriMSG = mMsg;
            int idST = oriMSG.IndexOf("ST=");
            oriMSG = oriMSG.Substring(idST, oriMSG.Length - idST);

            mMsg = String.Format("{0}\t{1}\t{2}\t{3}\t{4}"
                , DateTime.Now.ToString("yyyy/MM/dd"), DateTime
                .Now.ToString("HH:mm:ss"), mType, oriMSG, mMsg);
        }
        SYSPara.logDB.LogSayDb(mMsg);
    }
}
```

```
List<String> MsgList = new List<string>();
private void AddMsg(string mType, string mMsg)
{
    if (TypeList.IndexOf(mType) == -1)
        TypeList.Add(mType);

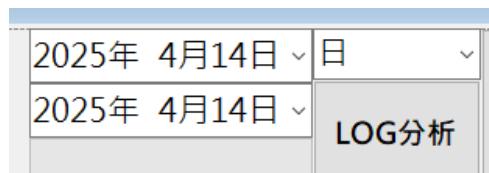
    //+ By Max 20180424
    mMsg = GetDate() + '\t' + GetTime() + '\t' + mType

    lock (locker)
    {
        MsgList.Add(mMsg);
    }

    //+ By Max 20200204 For LogAnalyzer
    try
    {
        //+ By Stanley 20250326 For LogAnalyzer
        if (mType == "SPC")
        {
            oriMSG = mMsg;
            int idST = oriMSG.IndexOf("ST=");
            oriMSG = oriMSG.Substring(idST, oriMSG.Length - idST);

            mMsg = String.Format("{0}\t{1}\t{2}\t{3}\t{4}"
                , DateTime.Now.ToString("yyyy/MM/dd"), DateTime
                .Now.ToString("HH:mm:ss"), mType, oriMSG, mMsg);
        }
        SYSPara.logDB.LogSayDb(mMsg);
    }
}
```

1.3.1.3 Log 分析點擊事件修改



```
private void cycleWidget1_AfterSummary(object DataList)
{
    //ReportF frm = new ReportF();
    //frm.Initial(DataList);
    //frm.ShowDialog();

    //+ By Max, v4.1.0.26, OEEPerformance
    try
    {
        OEE oee = new OEE();
        oee.Array = DataList;
        oee.OEERPType = SYSPara.OEERPType;
        oee.OEEFrom = SYSPara.OEERPFrom;

        string json = JsonConvert.SerializeObject(oee);

        ProcessStartInfo startInfo = new ProcessStartInfo
        {
            FileName = Directory.GetCurrentDirectory() + "\\OEEperformance.exe",
            Arguments = json
        };
        Process.Start(startInfo);
    }
    catch (Exception e)
    {
        MessageBox.Show(e.Message);
    }
}
```

1.3.1.4 OEE 類別

加入 Class OEE



```
String str = ex.Message;
}

}
public class OEE
{
    private object obj = null;
    public object Array
    {
        get { return obj; }
        set { obj = value; }
    }

    private string type = string.Empty;
    public string OEERPType
    {
        get { return type; }
        set { type = value; }
    }

    private short oeeFrom = 0;
    public short OEEFrom
    {
        get { return oeeFrom; }
        set { oeeFrom = value; }
    }
}
```

2 新增 DLL

2.1 新增 5 個 dll,修改一個 dll

位置=> D:\ProVSimpleProject\ProVSimpleProject\bin\ (同專案 exe 位置)

BouncyCastle.Crypto.dll

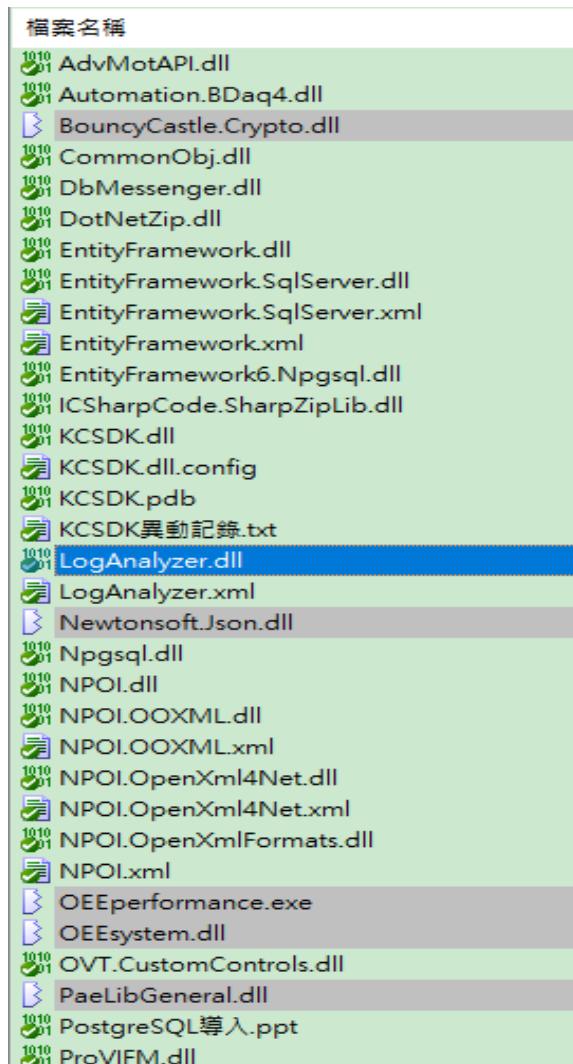
LogAnalyzer.dll(覆蓋)

Newtonsoft.Json.dll

OEEsystem.dll

PaeLibGeneral.dll

Ude.NetStandard.dll(判斷 Log 編碼為 UTF8 / Big5)

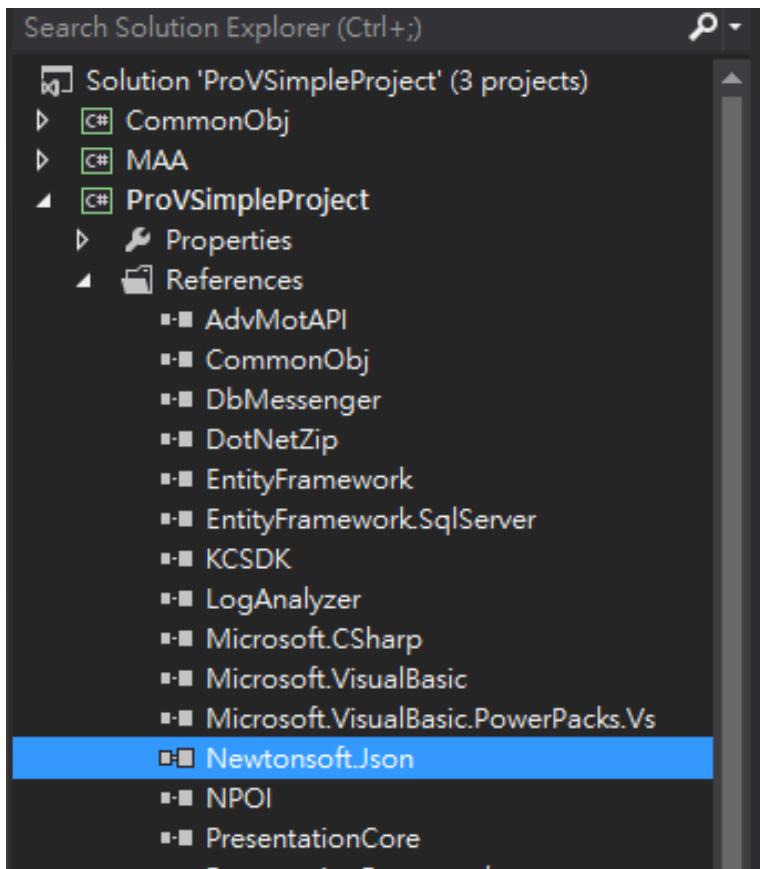


2.2 新增 OEEperformance.exe

一樣放在 D:\ProVSimpleProject\ProVSimpleProject\bin\資料夾內(如上圖)

2.3 加入參考

將 Newtonsoft.Json.dll 加入參考



3 加入 OEE library

..\SimpleProject\ProVSimpleProject\bin\LocalData\下新增 OEEReportLib 資料夾，裡面放 OEE 專用 lib 如下圖。除了標準做法(StdOEE.dll)，其餘 dll 是由附上的 cs 製成。

本機 > 新增磁碟區 (D:) > ProVSimpleProject > OEE > ProVSimpleProject > ProVSimpleProject > bin > LocalData > OEEReportLib				
名稱	修改日期	類型	大小	
PPLU11000.dll	2025/3/24 下午 03:27	應用程式擴充	8 KB	
SSVP10000.dll	2025/3/24 上午 10:33	應用程式擴充	8 KB	
StdOEE.dll	2025/4/2 下午 01:37	應用程式擴充	11 KB	
TBPP11000.dll	2025/3/24 下午 03:28	應用程式擴充	8 KB	
TBPP13000.dll	2025/3/24 下午 03:08	應用程式擴充	8 KB	
TBPP14300.dll	2025/3/24 上午 11:39	應用程式擴充	8 KB	
TBPP15005.dll	2025/3/24 下午 03:18	應用程式擴充	7 KB	
TTCN10000.dll	2025/3/24 下午 03:23	應用程式擴充	7 KB	