



NEWFIELD AUTOMATION

SPECIALISTS IN INDUSTRIAL CONTROL SYSTEMS

Newfield Automation Ltd – Legacy SCADA Migration.

Newfield Automation Limited has a proven track record in migrating legacy SCADA systems and has developed various strategies which will allow the customer to take advantage of the latest products available.

These approaches have been developed to minimize the amount of downtime and disruption during the migration process, thereby reducing loss of production.

Our skills not only lie with SCADA, but also include the upgrade/migration of legacy PLC Systems. We utilise the best PLC products available for the application(s), within the customers' budget. The migration can also be phased to assist with capital expenditure and plant access limitations

The Problem

- Your existing operating system and/or application licenses are no longer supported.
- You are aware that spares are becoming difficult and expensive to obtain.
- Support can become costly if you have to call an engineer out to site.
- Risk of your system failing and the impact in lost production.

Requirements

- Replace obsolete PC Hardware
- Update unsupported licenses.
- Improve system reliability.
- Improve system performance.

The Solution

- Convert the existing SCADA application to the latest version.
- Use a pre-planned migration plan to implement migration with minimum downtime.
- Replace the existing PC hardware.



Implementation

Newfield Automations approach uses a formal structured methodology which has been applied to many successful migrations for satisfied clients in applications ranging from Baggage Handling to Food Manufacturing.

Our steps are as follows: -

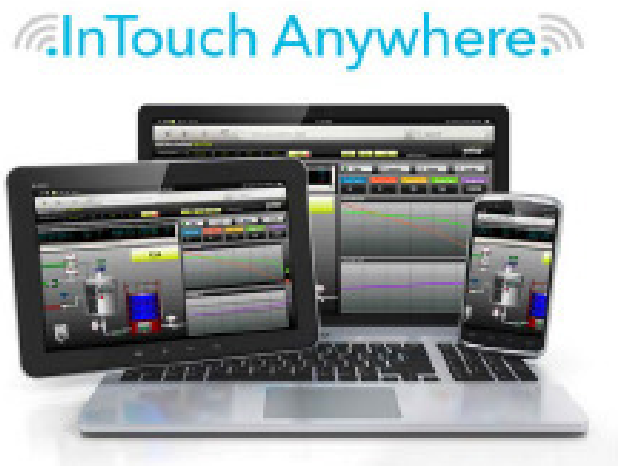
- Identify the existing equipment and future operational and functional requirements.
- Review the process of your existing system and take back ups of PLC and SCADA or HMI equipment as well as details of your existing networks.
- Formulate and establish a recommended migration path and advise on the best course of implementation based on your operational requirements. (Some of the parameters to consider are shutdown periods, operational support, business risks/needs and deliverables). Once agreed, a detailed Method Statement and Risk Assessment will be produced which will form the basis for the intended changeover methodology.
- Production of a detailed program of works with identified "go / no go" points.
- Conversion of the existing application to the latest version.
- We work closely with the customer to provide a level of documentation that will allow the replacement system to be maintainable. This will include both hardware and software documentation. We can also provide functional design specifications and software design specifications.

After the application has been migrated to the new platform(s), we can provide the means of validating the new application. Upon satisfactory validation, the completed system is released for installation.

- The physical changeover phase is normally viewed as the most critical. However by carrying out detailed offline validation prior to changeover and by the use of a number of pre-planned swap over methodologies, the risks are engineered down to an acceptable level.
- Finally after completion of the installation phase, the commissioning of the system will take place to an agreed testing schedule. Support documentation will then be supplied, enabling you to maintain the system in the future.

Benefits

- Improved system diagnostics.
- Less downtime due to more reliable hardware.
- Spares readily available.
- Future expansion and modifications made easy.



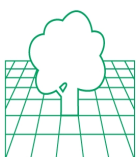
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