



**No Cumbersome
Licensing and
Maintenance fees**

**No complicated
syntax and rules
to learn**

No class required

**A Very Simple
Addressing Format**

When PLCs came into existence, the PLC manufacturers followed the same convention as in relay ladder logic. However each manufacturer chose their own rules for connecting and adding ladder elements, such as start and stop contacts. Just like English, Spanish, German, Chinese, Hindi and other languages, have their own scripts and their own grammar, PLC manufacturers like AB, Modicon, Seimens, Mitsubishi, Uticor and others developed their own grammar and syntax. Once you learnt one language, you usually stuck with that brand of PLC.

Today one single plant is likely to have multiple brands of PLCs, requiring Electricians & Maintenance personnel to remember these multiple languages. One may have learnt AB Language months ago, but had not gotten a chance to use it. Troubleshooting the PLC system months later, it is going to be difficult trying to remember the correct syntax. If it is a Siemens PLC, it might take the same person a week to just get started. **It is in this context the Tough PLC Drag-n-Drop software was developed. It is essentially a graphical language, you draw the ladder intuitively.**

**No complicated syntax and rules
Can be learnt in a few minutes.**

Tough'n'Smart™

