自动化技术的未来

Future of Automation - Totally Integrated Automation (TIA)

也许您正在企求
you are reaching for......

更高的生产速度，机器之间的紧密集成，更安全的生产环境，一天 24 小时、一周 7 天的可靠运行，等等…… 同时，成本压力正在促使企业变革生产工程和运营。采用全集成自动化 (TIA)，这一适用于所有工业的解决方案平台，将有助于客户更快、更高的发展，而且只需少许努力。

...higher manufacturing speeds, tighter integration between machines, safer production environments, 24/7 operations and more . At the same time cost pressures are forcing you to reinvent how you engineer and operate. With Totally Integrated Automation (TIA) - the solution platform for all industries - you will reach farther, faster and with less effort.

提高产品上市时间
Reduced time-to-market

采用 TIA 理念，可以在一个集成的开发环境中对您的系统进行工程设计。操作员接口、控制器、I/O、驱动器以及通讯都可作为整个项目的一部分进行组态和编程。不仅可以直观而清楚地概览整个项目，而且还可以接近每个部件，工程和组态具有相同的"外观和感觉"。TIA 将向您提供紧密集成的诸多优点。根据这种独一无二的方法，将可以更快速地设计、组态、编程和测试系统，提高产品交货周期。

You engineer your system in one integrated development environment with TIA. Operator interfaces, controllers, I/Os, drives, communications are configured and programmed as part of an overall project. Not only do you have a more intuitive and clear overview of the complete project but also when you drill into each component, the engineering and configuration has the same "look and feel", TIA gives you the benefit of very tight integration. With this unique approach, you will design, configure, program and test your system faster and deliver products sooner.

投资保障
Secured investment

也许您正在寻求一种优秀的灵活性，思忖如何实现机器、工厂或生产流程的自动化，而

又不会有损投资。全集成自动化基于应用角度开发，而不是安装角度。因此可以有助于管理您的知识产权，而不让连续改进的必要性控制您。正是这种独特的理念，使得 TIA 不仅成为数字 I/O 分布式部件制造的最佳架构，而且成为 CPU 和模拟 I/O 过程应用的最佳架构。越来越多的生产系统被集成互联为批量/连续过程和分布式制造的混合工业。TIA 旨在将两者统一于一个平台之中，无需重新编写应用程序，无需更改硬件，无需学习掌握多种工程环境。

You want the flexibility to rethink how your machine, factory or process is automated without sacrificing your investment. Totally Integrated Automation takes an application view, not an installation view. It helps you manage your intellectual property and does not let the necessities for continuous improvement manage you . It is this approach which makes TIA an optimal architecture for not only digital I/O intensive discrete part manufacturing but also CPU and analog I/O intensive process applications. More and more production systems are an integrated, interconnected hybrid of batch/continuous processes and discrete manufacturing. TIA purposely enables both in one platform, without rewriting applications, without changing hardware and without learning multiple engineering environments.

提高生产效率
Increased productivity

但通常是，期望很多，而所拥有的资源很少。通过全集成自动化理念，您将会实现事半功倍。无可比拟的集成度深入到了每一个 TIA 部件，西门子多年的应用经验将助客户游刃于世界。结合产品的广度和深度，从控制器到过程自动化系统，从传感器到 MES 解决方案，从最下位的生产系统到管理层所使用的系统，用户将拥有一个全面理解用户要求的自动化平台。采用全集成自动化理念，生

产将更为有效，能够满足用户的许多要求，减轻用户系统工程设计工作量。

Even with everything you are reaching for, you have to do it with fewer resources. Using Totally Integrated Automation you will achieve more with less. Designed into every TIA component are unrivaled levels of integration and Siemens experience from years of working with applications like yours around the world. Combine that with a depth and breadth of products, from controllers to process automation systems, from sensors to MES solutions, from the lowest level of production right up to the systems used by management to drive your business, and you have an automation platform that understands your needs and fulfills them. you will be more productive with Totally Integrated Automation because we designed in solutions to many of your needs and when you engineer a system there is less you have to do.