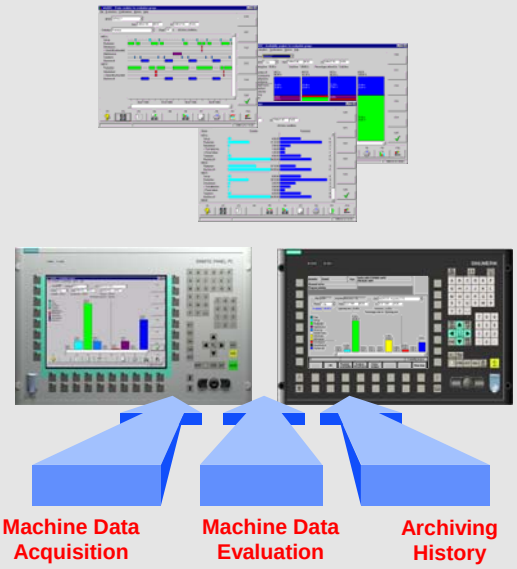
SIEMENS

MDA HMI

Commissioning Guide **Edition 04/2005**



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SIEMENS

Standard Software for
Production Automation

MDA HMI

Commissioning Guide

General 1

Installation 2

Edition 04/2005

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1 General

For a system overview or tips for operating of MDA please read the system description and commissioning guide of MDA Cell.

1.1 Prerequisites

General

- The MDA HMI installation requires approximately **30** MB of hard disk space.
- Administrator rights are required when installing on Windows NT and Windows 2000.
- Standard PC (Pentium III)
- 256 Mbytes of RAM
- Windows NT 4.0 / SP 6, Windows 2000, Windows XP Professional

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2 Installation

2.1 Overview

You must have **administrator** authorization to install MDA on a PC running Windows NT 4.0, Windows 2000 or Windows XP.

Considering paths it is assumed in this documentation that MDA on standard PCs is installed into the directory C:\Siemens\MCIS. In the sections below this MDA installation path is referred to as **<MDADIR>**.

2.2 Preparatory Step

Installation on a system with Windows 2000 and Windows XP:
Check if normal MDA users have write permissions in the root directory of the MDA target drive (e.g. C:\). If not, create the MDA target root directory, e.g. C:\Siemens and grant the write permissions accordingly.

2.3 Starting Installation

☞ Start the **Setup.exe** program

from the MDA drive (local, CD-drive or network).

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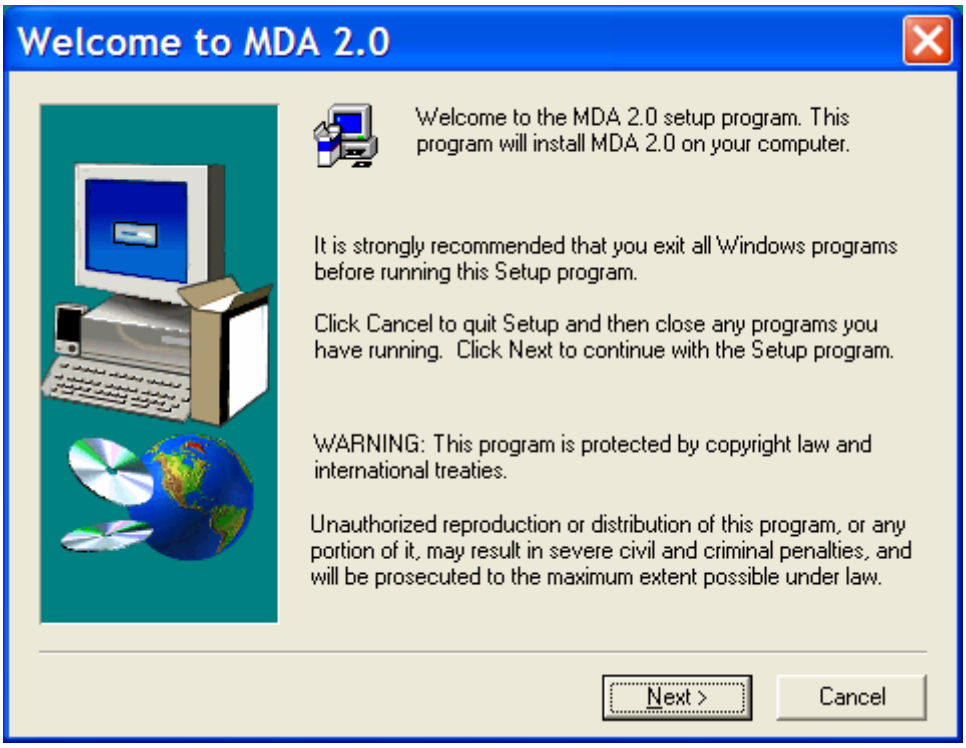
2.4 Installation Dialogs (Step 1)

During the first step all necessary dialogs are called:



- ☞ Continue installation by clicking the **Next** button.
- ☞ Accept the license conditions with clicking the **Next** button.
- ☞ Check that all other programs are finished and continue with clicking the **Next** button.
- ☞ Now enter the product key in the following screen form.
- ☞ Enter name and company of the registrated user and continue with clicking the **Next** button.
- ☞ You can specify the installation directory in the next dialog window. Enter the directory or accept the default directory and continue installation by clicking the **Next** button.
- ☞ Next you have to enter the database type of MDA Cell or MDA Plant (MSDE, Microsoft SQL Server or Oracle). Select the correct type and continue the installation by clicking the **Next** button.
- ☞ In the next screen form, you can change the computer name of MDA Cell or MDA Plant. Continue the installation by clicking the **Next** button.
- ☞ In the next screen form, you can choose the program folder in which you want to enter MDA HMI. Accept the default settings and continue installation by clicking the **Next** button.
- ☞ All input data is stored. Then it is verified whether all necessary packets are already installed.

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2.5 Installation of Microsoft Data Access Components (Step 2)

(only if necessary)
If necessary the installation program installs the database interfaces of Microsoft Data Access Components (MDAC) V2.8 in this step.

☞ With the appearance of the message box “installing Microsoft Data Access Components (MDAC)...“ the database interfaces (MDAC V2.8) are installed.

Notice: It is **not possible** to **automatically** uninstall MDAC.
It is **retained** even if you **uninstall** MDA on the target system!

2.6 Installing MDA HMI (Step 3)

In this step the installation program installs MDA HMI.

☞ Now all the MDA HMI components are installed.

☞ Finish the installation in the next form by clicking the **Finish** button.

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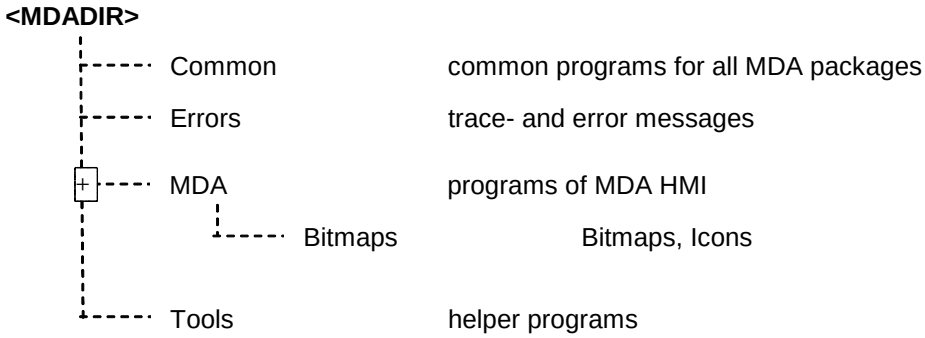
2.7 Directory structure of MDA HMI

During installation the following directory structure was created:



2.8 Connection to MDA Cell/Plant

The MDA HMI user interfaces use the database of MDA Cell or MDA Plant. The database connection which is necessary for this has to be configured. Using **MSDE** or **Microsoft SQL Server** for database server this will be done during installation automatically. If you use an Oracle database you have to install **Oracle Client** and the **Oracle Net Service** „OSFDB“ connecting the MDA server database has to be created. (For this see chapter “Installing Oracle Client Standard” of the commissioning guide of MDA Cell).

2.9 Starting MDA HMI

The MDA HMI user interfaces can be started by clicking on the "Start" button in the taskbar and then using the "Programs > MDA HMI” menu.

2.10 Uninstalling

- ☞ Uninstall MDA HMI in the Control Panel using **Add/Remove Programs** or **Software**.
- ☞ Reboot the computer.

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