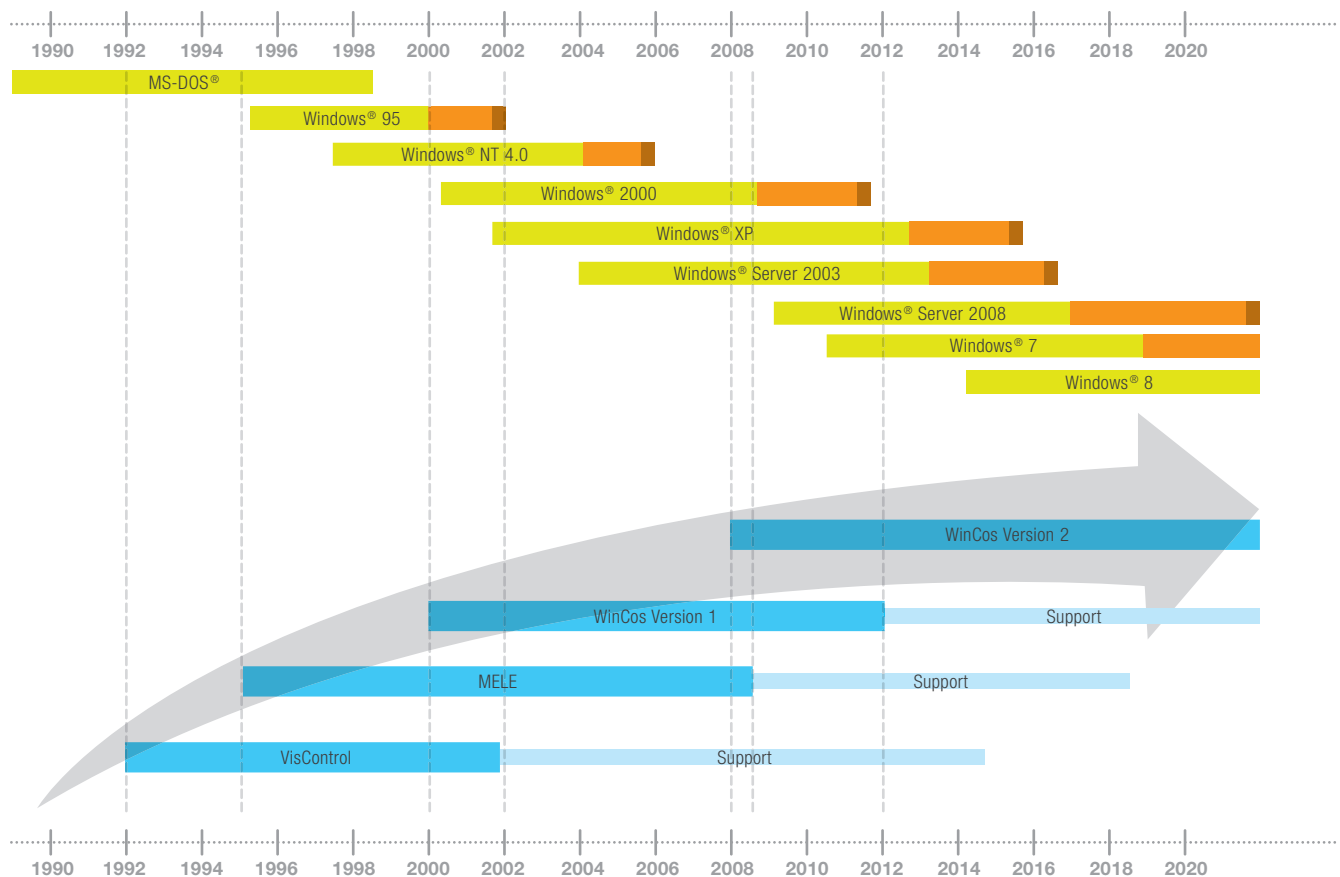# Actualization operating system.

Automation

BÜHLER

Time has come
to make the change to a new version.

Your plant is operated by several computers which are running with the operating system Microsoft® Windows® XP. The life cycle of this operating system is going to end soon. For this reason we are sorry to tell you that by the end of 2013, Microsoft® will no longer offer any support and updates for computers that are running with the Windows® XP operating system.

We want to avoid that this lack of security updates and the old virus systems start to cause some risk for your plant. Without the support from Microsoft®, it will be difficult to guarantee a stable operation of your computers. In addition, it is not possible to run new computers with Windows® XP due to the missing drivers and the lack of support for the new hardware.

After analyzing the situation, Buhler recommends you to do an upgrade on Windows® 7 operating system. This system offers you the latest security functions and the support from Microsoft® is guaranteed for the next years. You have different options for the replacement or the upgrade of your WinCos computers.
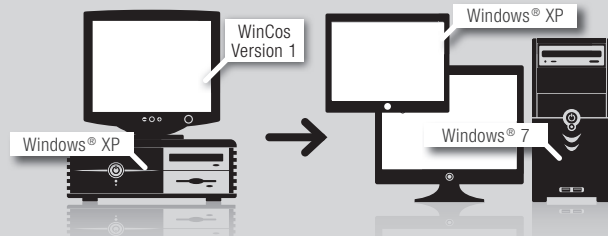
A new system has the following advantages:
– Replacement equipment is available quickly
– Higher security against threats from outside
– Better performance due to latest hardware
– Higher availability of your system
– Warranty of support

Additional value for your plant.
Higher operating safety due to updated system.
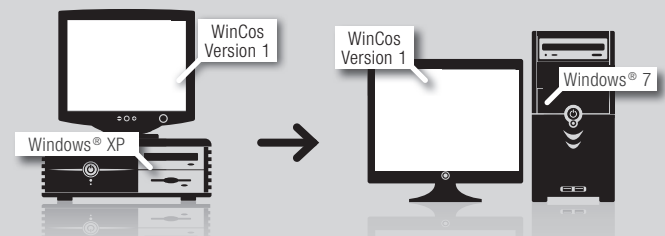
Option 1: Installation of virtual computers

WinCos Version 1
Windows® XP
Windows® XP
Windows® 7

Same operation, same functions
→ **New computer with Windows® 7 and virtual Windows® XP operating system**

+
- Virtual machine can be duplicated
- Long availability of replacement computers
- Higher availability due to latest hardware

−
- Automatic switch to standby PC not possible
- Insufficient security against threats from outside

Price approx. 10 000 CHF per computer

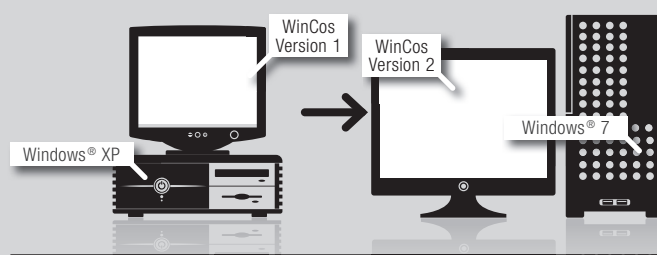## Option 2: Update of operating system to Windows® 7

WinCos Version 1
WinCos Version 1
Windows® XP
Windows® 7

Same operation, same functions
→ **Programs and licenses are converted on Windows® 7 operating system**

+
- Virtual installation according to option 1 possible
- Higher availability due to latest hardware
- Actual protective mechanism available

−
- Automatic switch to standby PC not possible

Price approx. 25 000 CHF per computer

Option 3: Upgrade control system on WinCos Version 2

WinCos Version 1
WinCos Version 2
Windows® XP
Windows® 7

Latest WinCos Version
→ **Additional standard functions, new surface, more options**

+
- Long availability of replacement computers
- Higher plant availability due to latest hardware and functions
- Actual protective mechanism available
- Automatic switch to standby computer with ESXI

Price approx. 80 000 CHF

Option 4: ESXI Server

RDP
Thin Clients
RDP
Thin Clients
RDP
Thin Clients

Virtual installation on ESXI server
→ **Operation via ThinClients**

+
- Long availability of replacement computers
- Automatic switch to standard computer
- Highest availability of the plant
- No additional installation on operating panel
- Actual protective mechanism available

Price approx. 70 000 CHF

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Contact information

Do not hesitate to contact us if you require any further information or if you prefer a personal consultation.
We are pleased to work out a solution that is adapted to your personal needs.

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