FDT/DTM concept
...the open solution for device configuration

The situation for the end user

We can start the device configuration now.
... and that for only ONE plant!
FDT Group

- FDT Joint Interest Group formed in 2003 by ABB, E+H, Invensys, Metso Automation and Siemens
- Open – Independent – not for profit organisation
- Collaboration of international companies dedicated to establish an international standard based on Field Device Tool technology
- FDT Group founded in 2005 according to Belgian law as a legally independent organisation
- Consists of Board of Directors, Executive committee and working groups

FDT Group members
What is FDT/DTM?

- **FDT** = Field Device Tool (frame application)
  - Follows a published standard specification
- **DTM** = Device Type Manager (device driver)
  - Compatible with any FDT frame application

FDT/DTM

- Open standardised technology independent of device or system supplier
- Independent of device type sensor, actuator, remote I/O, drives, etc.
- Full support of installed base
- Full device functionality
- Independent of communication protocol Ethernet, HART, PROFIBUS, Foundation Fieldbus, etc.
- Vertical integration by nested communication
How does FDT/DTM technology work?

Connection options - Profibus
How does FDT/DTM technology work?

Device configuration
Up/download
Document management
Document creation
W@M portal
Condition monitoring

FieldCare
Plant Asset Management
Monitoring &
Visualisation

PROFIBUS-DP
Fieldgate FXA720
PROFIBUS DP

PROFIBUS-PA
Fieldgate FXA520
HART PAP

How does FDT/DTM technology work?

DeviceDTM
CommDTM
Frame Application

CommDTM
DeviceDTM

CommDTM
DeviceDTM
DeviceDTM
DeviceDTM
How does FDT/DTM technology work?