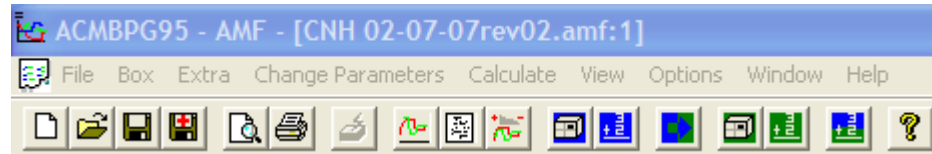


ACMBPG95

• STEPS TO MAKE A SIMULATION



1. Choose compressor room

- Analyze datasheet
- Analyze Graph
- DRAW CONCLUSIONS BASED ON
 - Datasheet AND Graph
 - Discussion With the Customer

2. Copy the existing installed system *



3. Fill in the compressor data



4. Calculate the simulation



5. Change view settings *



* These steps are not needed for every simulation



ACMBPG95

- AIRNET**

- 1. Customer Name**

- 2. Net Volume**

- Including:
 - Air receivers
 - Airnet

- 3. Initial Net Pressure**

- If not known => fill in the desired net pressure

- 4. Increase Flow By %**

- In case of anticipation of flow increase by the Customer

*For simulations ACMBPG95 allways uses the green colour
For Measurement data it will always be blue*

The screenshot shows the 'Compressor Types Entry' dialog box. It has a table at the top with columns for Compressor types (Comp. 5 to Comp. 8) and Report Info. Below the table, there are input fields for Customer, Date/Time of measurement, Net Volume, Initial Net Pressure, and Increase flow by. At the bottom, there is a 'Report Data' section with 'From' and 'Till' date/time fields. A red arrow points from the text above to the 'Report Info' column header. Four red boxes with numbers 1 through 4 are placed over the following fields: 1. Customer field, 2. Day of the week dropdown, 3. Hour of the day input, and 4. Net Volume input.

Comp. 5	Comp. 6	Comp. 7	Comp. 8	Report Info
Air Net	Comp. 1	Comp. 2	Comp. 3	Comp. 4

Customer : Air Academy 2009 - Coca Cola

Date/Time of measurement
Monday 2 / 7 / 2007 20 : 0

Net Volume : 2.0 m³ Initial Net Pressure 7.0 bar

Increase flow by 0 %

Report Data
From Monday 2 / 7 / 2007 20 : 0
Till Monday 9 / 7 / 2007 20 : 0

OK Cancel Apply Help



ACMBPG95

- **Comp.1 to 8**

LOAD NOLOAD MACHINE

- Same data as for Installed system

START/STOP

2. Prog stop time (s) (see next slide)
3. Number of motor-starts allowed per hour

Pressure settings (Pressure Band)

4. Unload Pressure
5. Load Pressure

The screenshot shows the 'Compressor Types Entry' dialog box. A red box labeled '1' highlights the top section containing 'Name: AC', 'Designation: GA132', and 'Type: Elektronikon Load/Unload Compressor'. Below this, a red box labeled '2' highlights the 'Prog stop time (s)' field set to 30. A red box labeled '3' highlights the 'Nr. of Starts' field set to 3. A red box labeled '4' highlights the 'Unloading Pressure' field set to 7.6. A red box labeled '5' highlights the 'Loading Pressure' field set to 6.6. Other fields include 'Package Power [kW]' (Unloaded: 37.0, Loaded: 147.0), 'Capacity [l/s]' (Min: 0.0, Capacity: 401.0), 'Min Loading Pressure: 0.0', 'Direct Stop Level: 0.0', 'Indirect Stop Level: 0.0', and 'Setpoint: 0.0'. Buttons at the bottom are OK, Cancel, Apply, and Help.



ACMBPG95

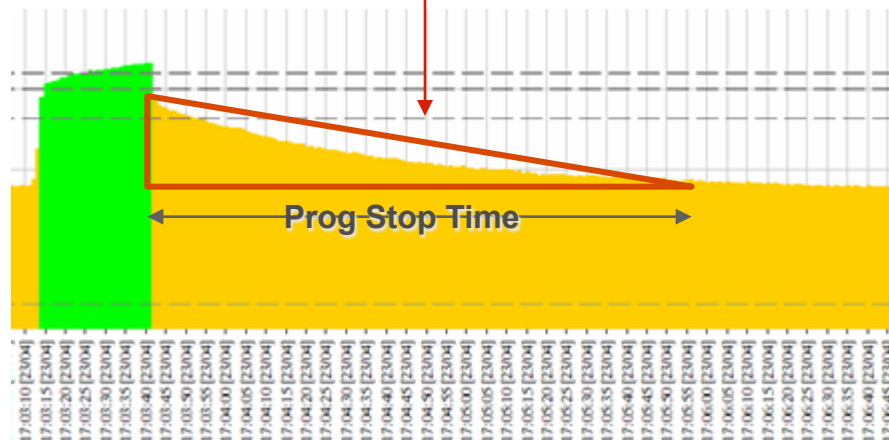
- Programmed stop Time

Machine does not go from Load Status into Unload status immediately

Oil receiver is under pressure

Progressive blow off needed => Energy consumption is higher than unload energy

The Prog stop time is expressed in seconds



ACMBPG95

- **Comp.1 to 8**

FREQUENCY DRIVEN MACHINE

1. Select compressor from the list

For new BRANDED compressor database see next slide

PRESSURE SETTINGS

2. Direct Stop Level

3. Indirect Stop Level

4. Setpoint

Compressor Types Entry

Comp.5	Comp.6	Comp.7	Comp.8	Report Info
Air Net	Comp.1	Comp.2	Comp.3	Comp.4

Name : WCO Designation : RLR 240 V 1 mpr.

Type : S2L-Gear-240-LP

Package Power [kW]

Unloaded Power : 0.0

Min Loaded Power : 0.0

Loaded Power : 0.0

Capacity [l/s]

Min Capacity : 0.0

Capacity : 0.0

Start/Stop

Idling Time (min.) : 0

Prog stop time (s) : 0

Nr. of Starts : 0 /hour /day

Pressure Settings [bar]

Unloading Pressure : 0.0

Loading Pressure : 0.0

Min Loading Pressure : 0.0

Direct Stop Level : 7.8

Indirect Stop Level : 7.3

Setpoint : 6.8 2
3
4

OK Cancel Apply Help

*** In the animations you will find some display options

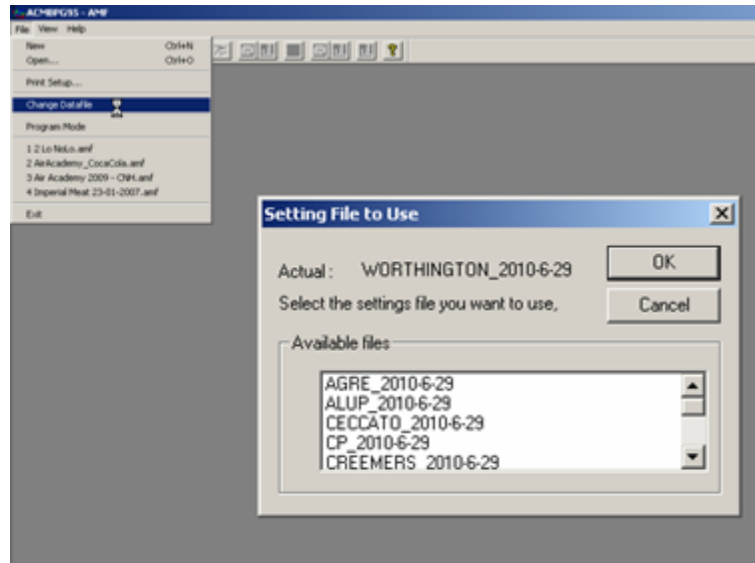
SHOW ANIMATION



ACMBPG95

- **New BRANDED Compressor database**

- There is one file per brand
- To install the file:
 1. Copy the file into C:/program files/ACMBPG95
 2. Open the program ACMBPG95
 3. Close all measurements
 4. Go to file Change Datafile
 5. Chose the right datafile



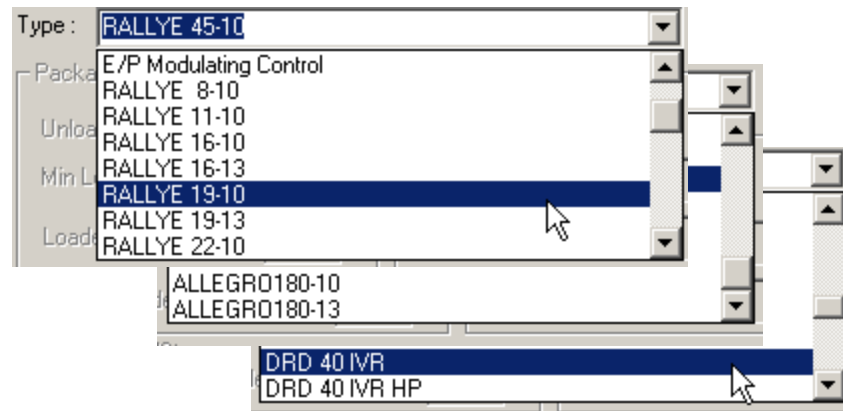
*** The files are to be found on the MBP



ACMBPG95

- **New BRANDED Compressor database**

- When selecting a compressor in the simulated or installed system you will have the complete list of available frequency driven compressors
- Depending on the file, the compressors will be of different brands



SHOW ANIMATION



Agenda

- Goal of the training
- What is the iiTRAK
- Why do I need the iiTRAK
- How does it work
- ME BOX CONFIGURATOR
- ACMBPG95
- Datasheet
- Graph
- Simulation
- **Report**
- Summary

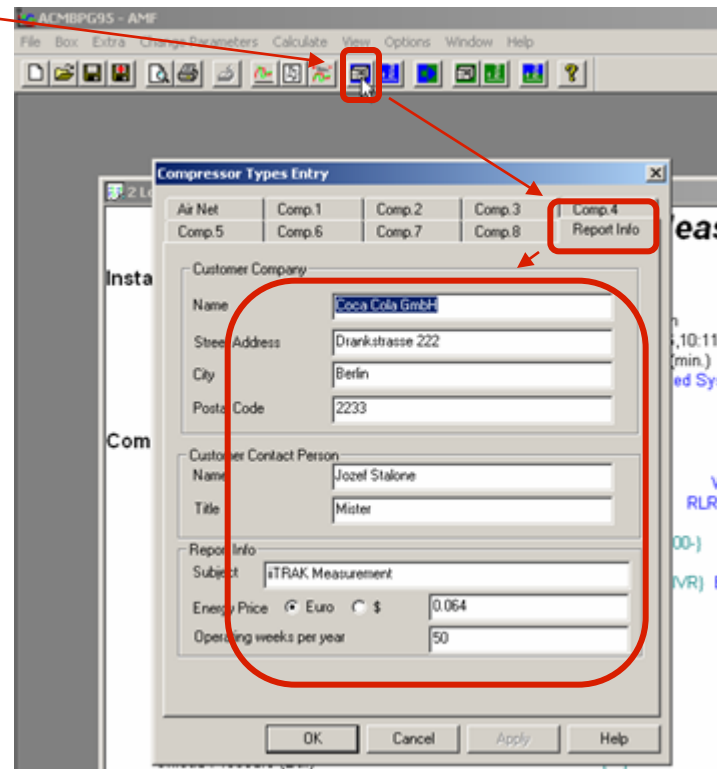
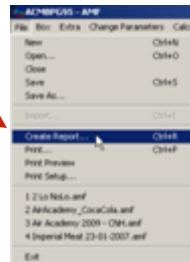


ACMBPG95

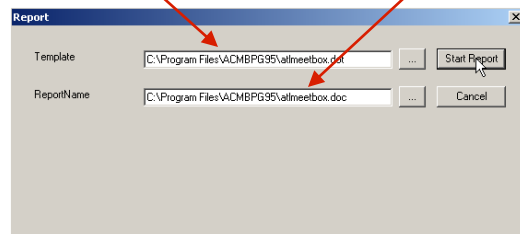
- **Creating a report**

- In order to create a report, the Report data must be filled in first

- The go to file create report



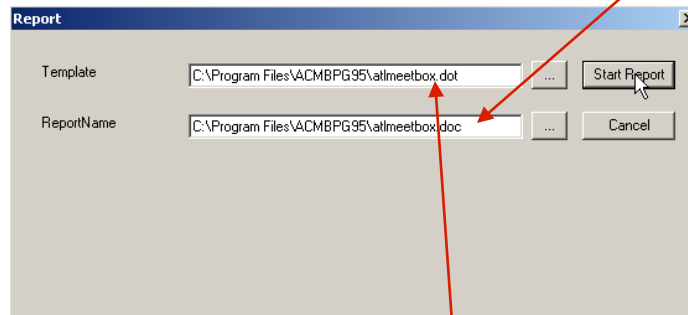
- Select a template and a result file



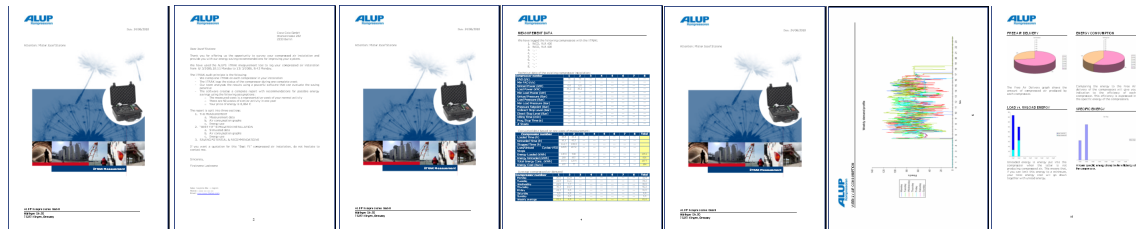
ACMBPG95

- **Creating a report**

- The result can be found where you decided to store it



- And will be dependant on the report template you have chosen



*** Templates can be found in the ACMBPG95 (and some templates will be stored on the MBP)

SHOW ANIMATION



Agenda

- Goal of the training
- What is the iiTRAK
- Why do I need the iiTRAK
- How does it work
- ME BOX CONFIGURATOR
- ACMBPG95
- Datasheet
- Graph
- Simulation
- Report
- **Summary**



Summary

- The iiTRAK is used in order to
 - Get in contact with new customers
 - Sell more frequency driven machines
 - By showing the saving potential
 - On the existing machine
 - With real figures
 - Using a simulation of the “best fitted” installation
 - It makes it possible to create a report
 - That is fully customisable
 - That is flexible (word file)
 - That can be incorporated in your quotation (or the other way around)

