

## Verdict VLT, the Cold Chain Management system

**Verdict Logging Transport (VLT) gives you optimum insight in the conditions your products were subjected to during transportation. Verdict tells you what the temperature and humidity has been during transport and for how long your products have been subjected to these conditions. As soon as the product arrives at your customers you are automatically informed, whether your shipment has gone wrong or right. If the shipment went wrong, you know exactly where, when and for how long. This gives you the opportunity to take adequate steps to prevent further damage or collateral damage to your product. Verdict Logging Transport is an efficient product to analyze your Cold Chain and it gives you the opportunity to optimize and improve your Cold Chain. Verdict makes the Cold Chain transparent for you as well as your partners, customers and suppliers and is therefore a necessary tool in quality control for your logistics manager.**

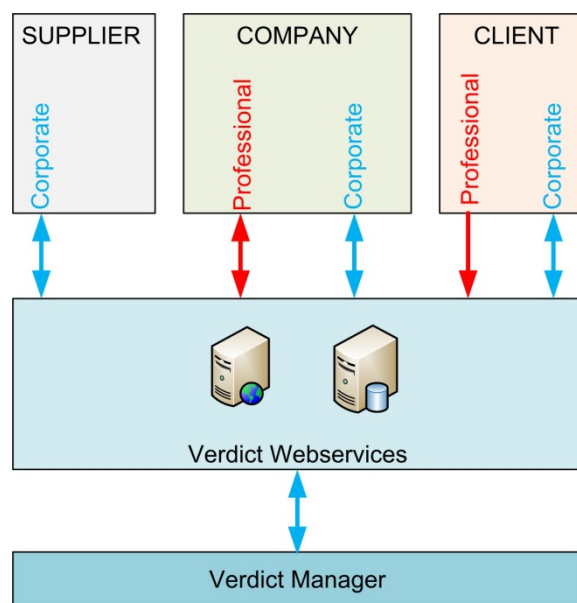
Several types of dataloggers can be used within the Verdict system, they can measure temperature as well as humidity. The Dataloggers are rugged and small, so they can be used in almost all packages under all circumstances. The dataloggers are accurate and have a battery live span of up to 10 years depending on how and where they are being used. With the Verdict Software it is possible to set start time, date and the interval time between measurements. Depending on the type of datalogger used a total of 2048, 4096 or 8192 samples can be taken and stored into the dataloggers memory.

For programming the datalogger and uploading data from your logger into your computer you will need a USB Reader and interface cable to connect the datalogger with the computer. With the 1-wire driver installed it is possible to use the Verdict Software on every desktop computer or notebook running Microsoft Windows XP or Vista.

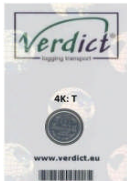
Verdict software is available in three versions, Basic, Professional and Corporate. The Basic version uses an Microsoft Acces database and is used as a stand-alone system. The Basic version can not be used to send mission data directly over the internet to your company. The Professional and Corporate versions use the internet, and communicate through port 80 with the Verdict Webservices. The webservice stores the data in a Microsoft SQL database on the webserver.

For the Verdict Professional version there is a user license Professional Client available. The Professional Client can upload data from the logger to the SQL database on the webserver, but the customer is not able to analyze the data.

For the Corporate version there is besides the Corporate Client License also a Corporate Supplier License available. The Corporate Clients provide your Customers and Suppliers with extra information, they can monitor their own shipments and receiving's. With the Verdict Manager Web application the administrator can set the rights for each user.



For more information: [www.verdict.eu](http://www.verdict.eu)

Specifications dataloggers:	2K: T	4K: T	4K: HT	8K: T+RH
				
Application	Temperature sensor	Temperature sensor	Temperature sensor	Temperature and humidity sensor
Temperature range	-40°C to +85°Celsius	-40°C to +85°Celsius	-0°C to +125°Celsius	-20°C to +85°Celsius
Temperature accuracy	± 1° Celsius	± 0.5° Celsius	± 0.5° Celsius	± 0.5° Celsius
Temperature. Resolution	0.5° Celsius	0.0625° Celsius	0.0625° Celsius	0.5° Celsius
Humidity range	-	-	-	0% to 100% RH
Humidity resolution	-	-	-	8 bit=0.6%, 12 bit=0.04%
Number of samples	2048	4096	4096	8192

Included :	Basic	Pro.	Corp.
<b>Communication &amp; database</b>			
Communication over the internet	X	✓	✓
SQL Database on webserver	X	100 MB	1 GB
Access Database on local computer	✓	-	-
Data synchronization with locale computer	X	X	✓
Assign user Rights (via Verdict Manager)	X	X	✓
<b>Settings and measurements</b>			
Initialize missions	✓	✓	✓
Analyze missions	✓	✓	✓
different time zones	X	✓	✓
adjust start time and data	✓	✓	✓
Adjust sample rate	✓	✓	✓
Overwrite memory when full	✓	✓	✓
<b>Additional Clients</b>			
Add User License Professional Client (upload only)	X	✓	X
Add User License Corporate Client	X	X	✓
Add User License Corporate supplier	X	X	✓
<b>Extra's</b>			
Verdict Manager (web application)	X	X	✓
Runs on Dedicated Server (optional)	X	X	✓
Customer build possible (connection with ERP software)	X	X	✓