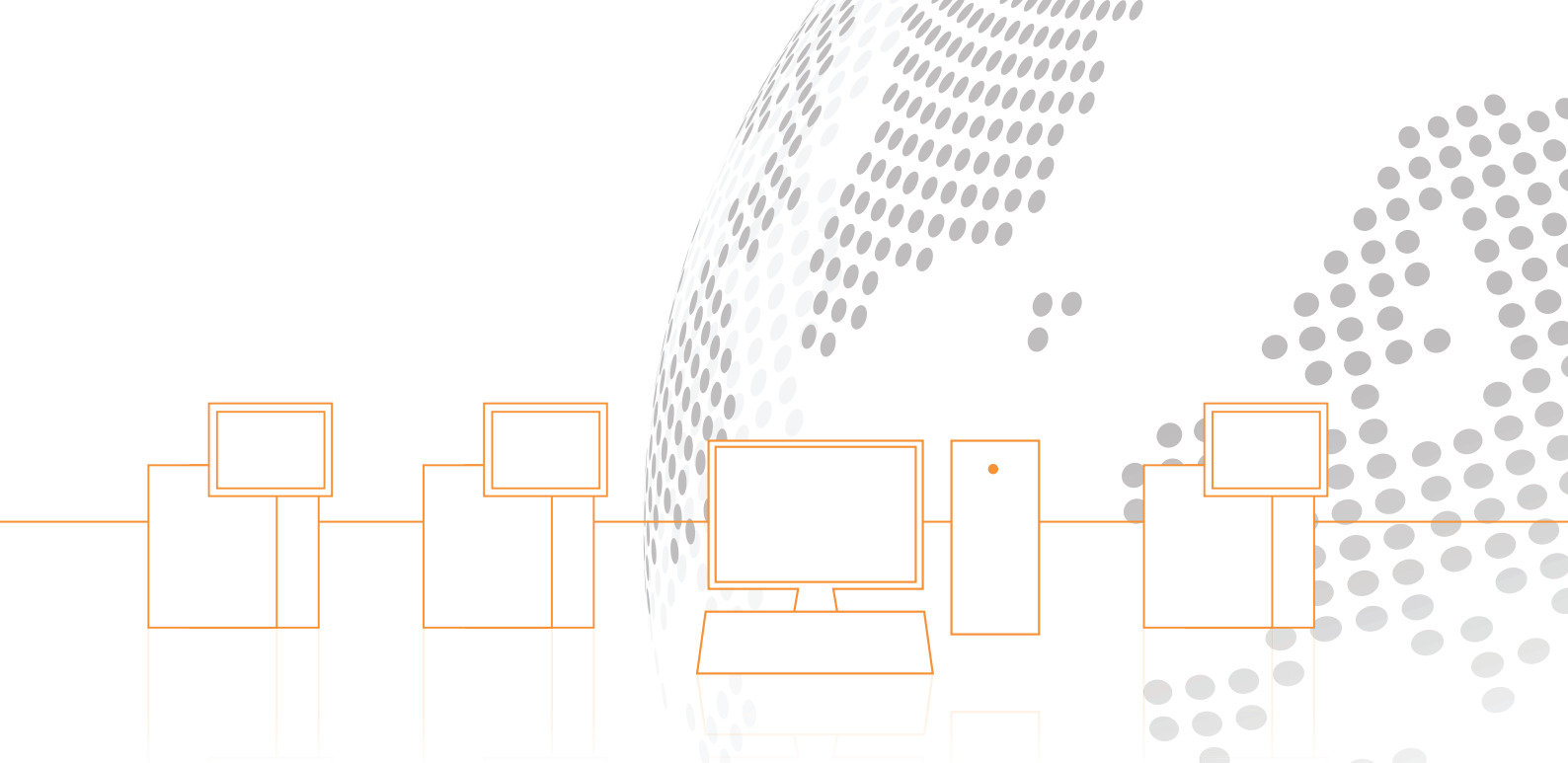


**FOSS**



The concept of Remote Internet Analysis

Dedicated Analytical Solutions



*“Why have one NIR expert at each of your sites if one expert can take care of your entire network at a fraction of the time?”*

## **RINA provides central control, monitoring and support of remote instruments**

RINA (Remote Internet Analysis) is a software networking package that makes it easy to precisely configure, manage and monitor NIR instruments from a remote location. Whether you have one or 100 instruments, RINA will streamline the use of NIR and generally provide the user with:

### **Improved Performance:**

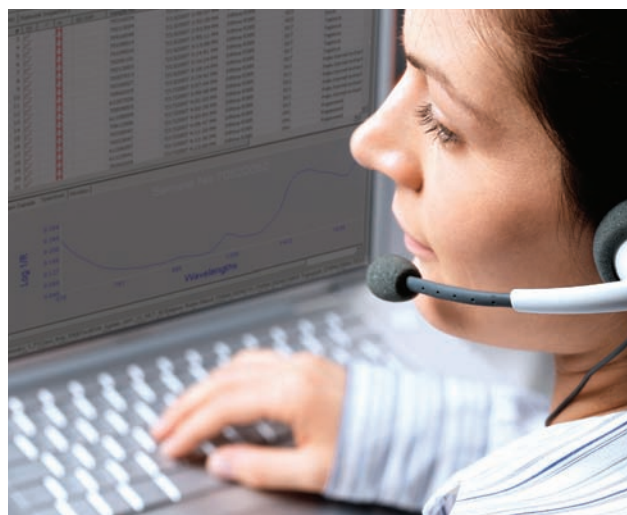
RINA allows you to get the best possible performance out of your instrument, software and calibrations at all times. Centralized management will ensure that you can react instantly on current data to protect your brand and take performance to a new level.

### **Reduced Cost:**

RINA is all about simplicity and flexibility. Why have one expert for each instrument if you can have one expert managing your entire network in a fraction of the time. RINA users have proven that significant cost savings can be achieved in regards to less training, reference analysis, reworks, recalls and general day-to-day operations

### **Trouble Free operation:**

RINA will ensure that there is an expert eye on your instruments 24/7 ready to identify, report and solve problems faster than ever before. RINA is designed to make the life of the NIR user easier and optimize uptime.





## The concept of Remote Internet Analysis

The concept of RINA is based on central configuration and support. All prediction models and products are setup once for the entire network. Each client is then attached to the network. Configuration options allow incredible flexibility among clients.

Any changes or updates are easily made and positively implemented throughout the network using the Network Manager program. This assures the integrity of the complete analytical system.

RINA includes the ability to remotely monitor and record instrument diagnostics including performance tests to ensure proper instrument performance.



### Benefits:

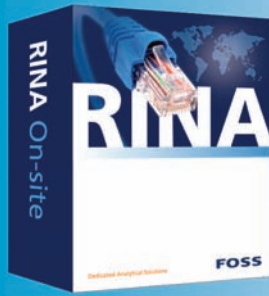
- All instruments are calibrated and configured as intended by the Network Manager
- Enhanced control and protection against unauthorized use and piracy copying (optional).
- More cost-effective management of large populations of instruments
- All instruments are performance controlled and monitored
- Improved service and traceability as vital instrument data is recorded centrally
- Reduced economic losses due to instrument malfunctioning
- High-level technical expertise is only needed centrally at the site of the Network Manager
- Minimized need for local training and reduced travel expenses

### Features:

- Compatible with InfraXact™, NIRSystems II, FoodScan and XDS bench instruments (all using ISIScan™ as user-interface).
- Based on the same design principles as ISIScan for simplified operation
- Positive control of all product configuration settings and simplified monitoring of local instrument performance
- Remote troubleshooting
- Centralized data management, backup and reporting options
- Semi-automated surveillance of instrument performance and automatic evaluation of instrument diagnostic tests

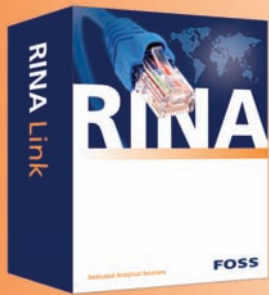
# A RINA Solution to match your business:

RINA is available in four support packs providing different levels of analytical services according to customer requirements. The software and functionality does not change depending on the support pack; only the specific additional services provided by IT/NIR specialists from FOSS:



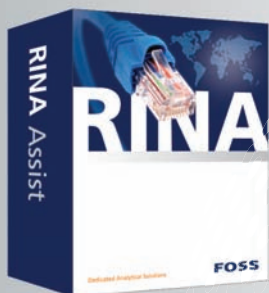
## **RINA On-site**

FOSS provides RINA networking software, via a network provided and supported by the customer. RINA On-site is designed for larger companies with solid NIR and IT skills wanting a high-performance network where all is precisely and easily configured, managed and monitored from one central location. The On-site solution differs significantly from the other RINA solutions as the server is located and maintained “On-site” by the customer.



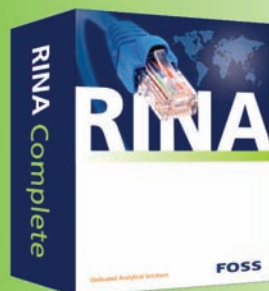
## **RINA Link**

FOSS provides the RINA networking software, and allows the customer to operate a private, secure, customized RINA network independently on the FOSS Hosted RINA server. RINA Link is designed for companies with solid NIR skills, who want the plug-and-play networking solution to manage, monitor and run instruments/calibration surveillance in-house, without the trouble of hosting the RINA server.



## **RINA Assist**

FOSS provides the RINA networking software, and allows the customer to operate a private, secure, customized RINA network independently on the FOSS Hosted RINA server. Assistance from a FOSS NIR/RINA specialist to help configure, monitor and manage the RINA network. Also included are priority assistance, instrument surveillance, product performance, etc. RINA Assist is designed for companies that value the added security and flexibility of having a FOSS specialist virtually by their side.



## **RINA Complete**

FOSS provides the RINA networking software, and allows the customer to operate a private, secure, customized RINA network independently on the FOSS Hosted RINA server. With RINA Complete, the customer will have an expert eye on all NIR operations, ensuring optimal performance 24/7. Besides optimizing the performance of instruments, software and network RINA Complete also provides calibration updates and monitoring by a FOSS specialist.

# RINA Support Packs: What is provided by FOSS

RINA Services:	On-site	Link	Assist	Complete
RINA Network Manager program(s)	FOSS	FOSS	FOSS	FOSS
Free ISIsCan upgrades	FOSS	FOSS	FOSS	FOSS
Free RINA upgrades	FOSS	FOSS	FOSS	FOSS
RINA Server hosting	Customer	FOSS	FOSS	FOSS
Access to RINA Network 24 / 7 *	Customer	FOSS	FOSS	FOSS
Setup and configuration of custom RINA network	Customer	FOSS	FOSS	FOSS
Automated central backup (all client data)	Customer	FOSS	FOSS	FOSS
Network, product, and client configuration assistance	Customer	Customer	FOSS	FOSS
Instrument surveillance	Customer	Customer	FOSS	FOSS
RINA Client recovery service **	Customer	Customer	FOSS	FOSS
Priority troubleshooting and support	Customer	Customer	FOSS	FOSS
Customized network reports	Customer	Customer	FOSS	FOSS
Access to FOSS NIR /NIT calibrations	Customer	Customer	Customer	FOSS
Calibration monitoring	Customer	Customer	Customer	FOSS
Calibration updates when released	Customer	Customer	Customer	FOSS

\* Subject to brief Server Maintenance and update periods

\*\* Each RINA client must follow recommended procedure for connecting to RINA network.

## ISIsCan client requirements

- Windows XP or higher
- 512 MB RAM or higher
- Minimum 5 GB free HDD space
- No existing SQL server
- Internet access to the RINA server
- ISIsCan (version specified by FOSS)

## RINA server requirements

- Pentium III processor or higher
- 512 MB RAM or higher
- Minimum 30 GB free HDD space
- No existing SQL databases.
- Internet access
- Windows XP professional or Server 2003 operating system.
- Internet Information Services (IIS) must be installed under Windows components.
- MS .NET Framework v 1.1 or higher
- MS SQL server optional (recommended for large networks)

## Industry comments



### RINA Assist customer

- Kims Chips
- Scandinavian chips and snacks supplier
- 4 InfraXact instruments in different countries

*“Networking with RINA first of all provides us with “peace of mind” as we know there is a NIR specialist from FOSS managing and doing surveillance on our instruments. With RINA we have basically outsourced all complexity related to NIR analysis, calibrations, diagnostics, etc. RINA makes sure that the performance of our entire setup is optimized at all time which allow us in stead to focus on our core business.*

*Since implementing RINA we have experienced significant cost savings in regards to instrument maintenance, reference analysis, calibration support, reworks/recalls and our general day-to-day instrument operation”*

*Bibi Sørensen, Laboratory Technician,  
responsible for calibrations and NIR instruments*



### RINA On-site

- Fonterra
- Dairy producer - New Zealand
- 20 NIR instruments

*“Fonterra fundamentally believes that RINA will become central to our analytical instrumental use in years to come and that RINA is one of the key points of difference that distinguishes FOSS from its competitors. We look forward with anticipation to the future with RINA”*

*Dr. Steve Holroyd, Technical Manager,  
Analytical development at Fonterra*

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