ATIS
UHER

ATIS systems GmbH

ATIS Presentation

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Head Quarter

Justus-von-Liebig-Str. 5

D 61352 Bad Homburg

Germany

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- Private company, founded in 1946 in Germany

- Headquartered in Bad Homburg, Germany

- Approx. 130 employees

- Offices in Berlin, Switzerland, Abu Dhabi, USA, and Russia.

Interception and monitoring

- „Turn key solutions from one company"

- Adaptation of individual customer requests

- Intensive customer support
  (pre-sales consultancy and technical services)

Our mission :

- Working as your long-term partner for integrated lawful interception, monitoring and analysis solutions for communication networks

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Two main product suites:

Klarios®

- Integrated lawful interception and monitoring

Voice*Collect*®

- Voice and data recording

Klarios® - Market shares

Currently there are more than 100 Klarios® monitoring centres   (IP and traditional voice) IN-OPERATION over the world

Region	Installed market share
Europe	15% (50% in Germany)
Middle East	50%
Africa	30%
Asia	10%

System Klarios delivered in Tunisia for the MOI in 1998 front of Alcatel MSC in Tunisie Telecom network.

Voice collect systems deployed in MOI since 2005.

Voice Collect®

Applications for:

- Public safety

- Fire brigades

- Police stations

- Air traffic control

- Emergency centres

- Railway

Klarios®

Applications for:

- Lawful Interception

- Satellite Monitoring

- Data Retention

- Traffic monitoring

- Historically grown partnership confidence with end users

- In-depth understanding of LEA requirements

- In-depth understanding of CS and IP Networks

- Experienced and reliable partner for planning, design and implementation

- Qualified technology partner network as a base for state of the art solutions

- Consultancy service over the entire project lifecycle

ATIS local representative

Slaheddine Marzouki will be employed as ATIS staff detached in Tunisia to handle:
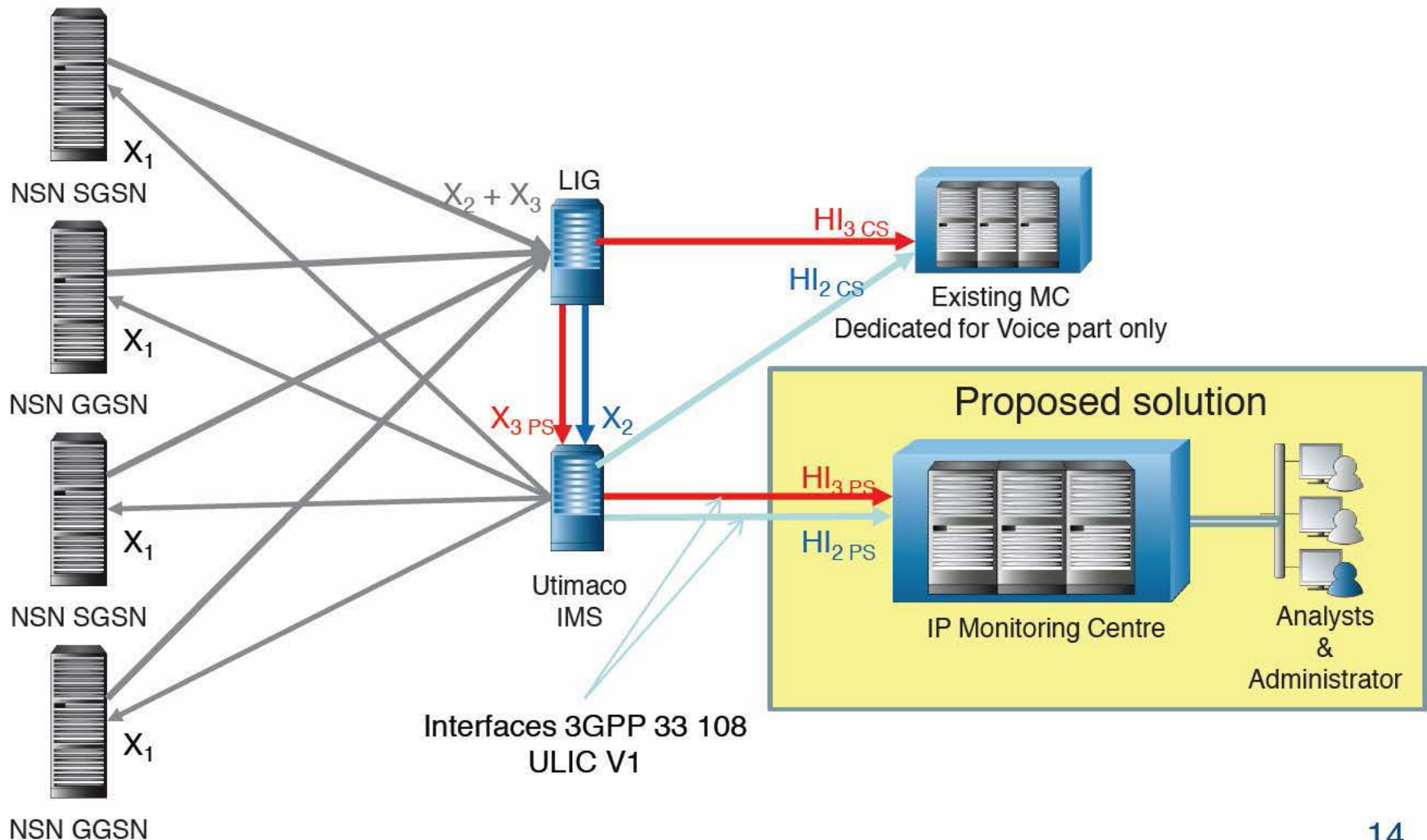
- the local project management and

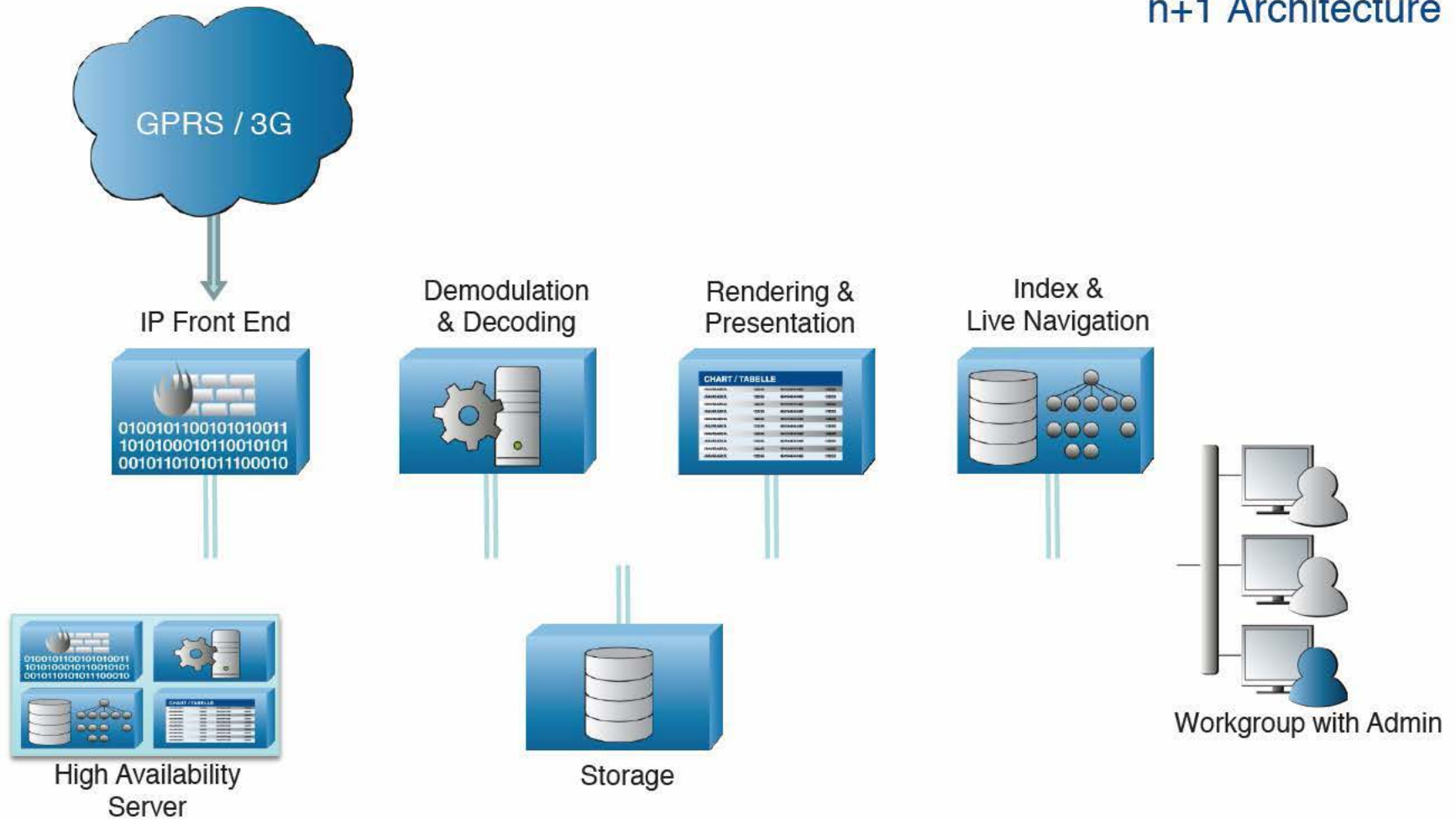- the local technical support
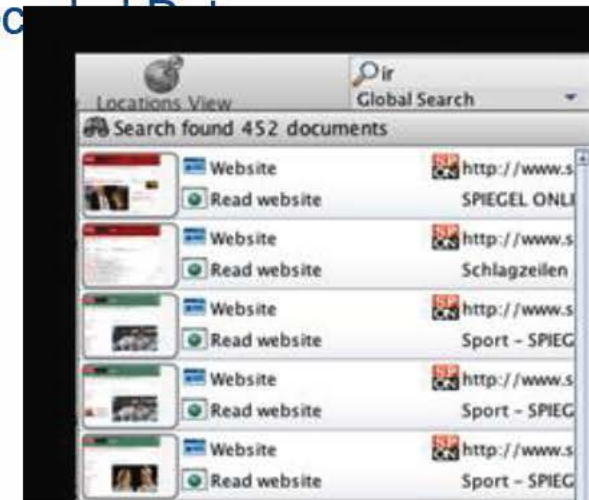
ATIS solution
Technical proposal

Global overview

Interfaces 3GPP 33 108
ULIC V1

Architecture description
n+1 Architecture

GPRS / 3G

IP Front End

0100101100101010011
1010100010110010101
0010110101011100010

Demodulation & Decoding

Rendering & Presentation

CHART / TABELLE

Index & Live Navigation

High Availability Server

Storage

Workgroup with Admin

- IP Front-end (APIX)
    - Collect all CC delivered in IP format (VoIP, e-mail, internet traffic, etc.)
    - Connected to the central storage and the Demodulation & decoding units

- Demodulation and decoding unit
    - Demodulation and decoding of received IP Data
    - CC Analysis of the incoming IP traffic,
    - Categorization and Classification of the traffic
    - Connected to the Storage unit to save the decoded Data

- Rendering and presentation unit
    - Processing of the decoded data to create:
        - previews,
        - listings and
        - additional presentation layers

- Indexing and live navigation unit
  - Access to the stored decoded results and the previews and presentation layers
  - Indexation of all stored and processed data to create a live navigation view
    - ⇒ immediate display of decoded results
    - ⇒ easy navigation and analysis within a huge amount of data instantly

- Storage unit
  - Storage of Raw Data and Decoded Data
  - Storage capacity of more than 40 Terabyte,
  - In operation expandable memory and bandwidth architecture
  - High availability and state of the art redundancy
  - Field proven hardware and software products from world class manufacturers

- Redundancy

  - Architecture based on high availability servers, capable to serve all functionalities

  - In case of system failure, minimizing of Data loss, recovery time and cost.

  - N+1 architecture mode : One server can replace in other server in case of failure

Merits of the proposed solution

- ATIS is a private company with over 60 years of experience in recording systems

- More than 20 years of experience in lawful interception business

- Field-proven solution that allows the customer to work in the most efficient way

- State-of-the-art analysis software using instant filtering mechanisms that allow the analyst to work in real time on the intercepted data.

- The proposed solution is based on a modular, scalable architecture to keep investment as efficient as possible enabling the customer to expand the system according to his futures needs.

- The proposed solution is ready to record VOIP communications (SIP calls)

Do you have any questions?