

Introducing Dhelo



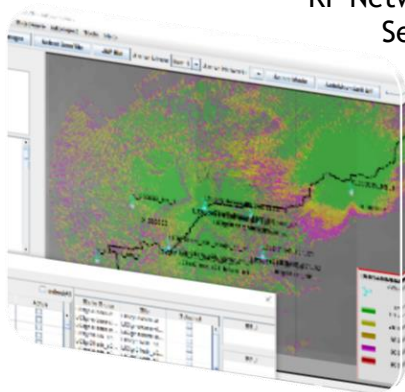
- ▶ Dhelo LLC is a global leader in telecom consulting, offering expert solutions in mobile network strategy, design, and implementation.



Products and Services



RF Network Rollout
Services



RF System Engineering
& Optimization



Data Networks
Engineering
Implementation &
Services



Telecom Consultant
Services



Your Global Partner in Mobile & Fiber Networks —
Since 1991

Meeting Customer Expectation



**Well Engineered
Network**



**Sound System
Performance**

Meet Technical KPI (QOS)
Good Service Experience
Better Product
Performance



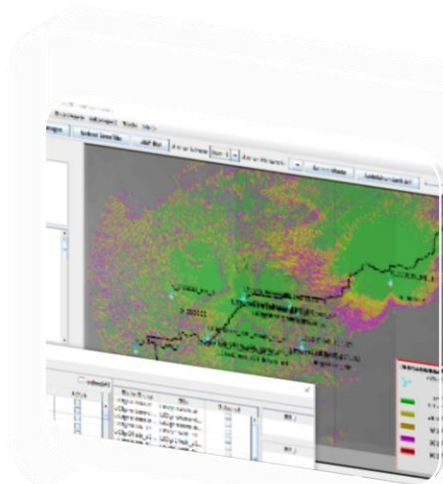
Satisfied Customer

More Usage
Positive Reviews
Up Selling
More Revenue



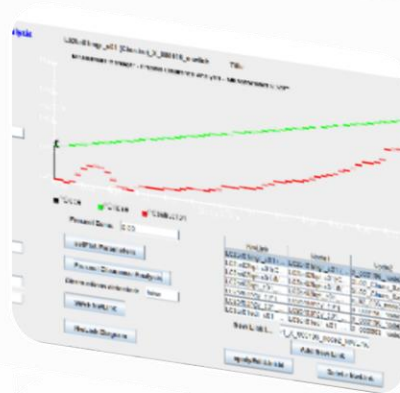
Invest in Expertise. Build with Confidence.

RF Network Engineering Planning and Management Tools



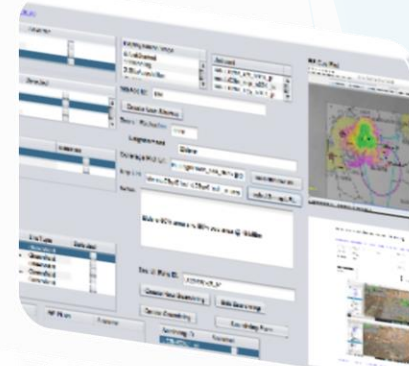
Dhelo Network Planner

- RF Network Engineering
- RF Coverage
- QOS Analysis



MW Link Analysis

- Path Profile
- Fresnels Path Clearances
- MW Link Analysis



Network Rollout Services

- Work Orders
- Site Acquisition
- Site Construction
- Network Element Installation



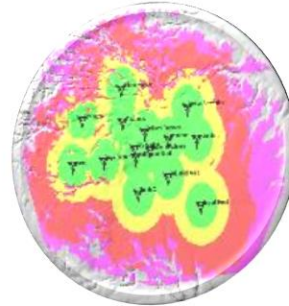
Using our state-of-the-art engineering tool, we quickly and efficiently design and rollout your network to meet market demand

RF Network Engineering Services



NETWORK ROLLOUT SERVICES

- RF Network Design
- RF & MW Survey
- BTS & MW Installation



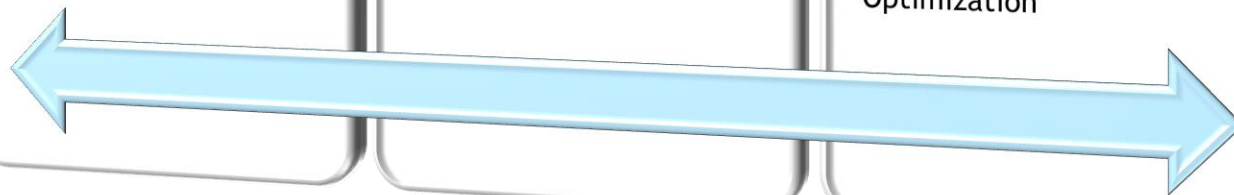
RF SYSTEM ENGINEERING SERVICES

- RF Coverage Design
- Capacity Planning
- Frequency & Spectrum Management
- Site Audit Services



RF SYSTEM OPTIMIZATION SERVICES

- Drive Test & Data Analysis
- Benchmark & Diagnostic Testing
- Coverage/BER/Handoff Optimization
- Switch Parameter Optimization



Smooth rollout of the RF network. A well designed and running network equates to savings and satisfied customer



Data Network Services



NETWORK INFRASTRUCTURE ROLLOUT SERVICES

Demand Analysis
Technology Selection
Design & Planning
Capacity Planning & Dimensioning
Site Survey
Site Acquisition
Equipment Installation



DATA NETWORKS

WiFi
Wireline
Fibre Networks
•FTTx
WAN/LAN Networks
Mobile Data
IOT



DATA APPLICATIONS & SERVICES

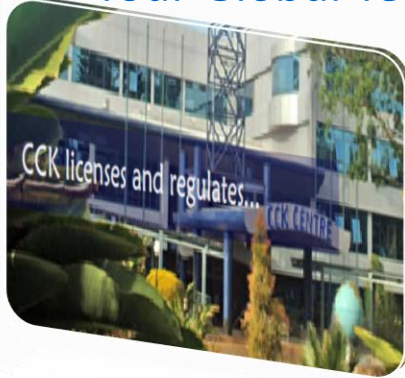
Planning
Installation
Integration
•Database Applications
•Web Applications
•ERPs
•Integrated Systems
Process Automation
Field Force Automation



*Maximize on your network investment with
secondary and tertiary business services*

TELECOM CONSULTING

Your Global Telecom Partner



MARKET SUPPORT SERVICES

- Project Management
- Licensing & Regulatory Affairs
- Local Market Development

PRODUCT DEVELOPMENT

- Product Identification
- Product Customization
- Technical Support
- Promotion

TELECOM STRATEGY

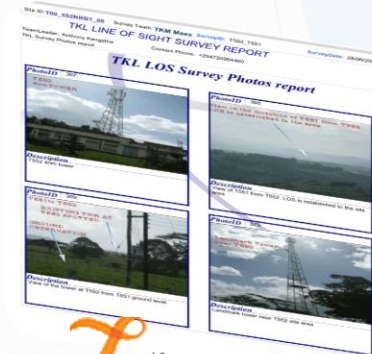
- Technical Strategy
- Commercial Strategy



Ease your entry and maintain a productive presence by forming an alliance with Dhelo and tap into a wealth of knowledge in the local market

Our Project Portfolio

Engineering Excellence Since 1991



at&t

Washington DC '99

- Retune Frequency Plan from N=9 to N=3
- Add Capacity by 25%
- KPI Achievement
 - Drop-Call Rate < 2%
 - HF Fail Rate < 2%
 - BER < 3%
 - Call-Fail Rate < 1%

Safaricom

3G NETWORK
ROLLOUT '09-2018

- Managed 10 BTS Installation Teams
- Node B BTS Installation
- 2G BTS Swap
- Managed 40% of the Rollout

telkom

ORANGE - Telkom
Kenya GSM Rollout
'08

- MW Survey & Report
- Site Commission
- Drivetest
- Handled 60% of Initial Rollout
- Database Driven Capture & Reporting

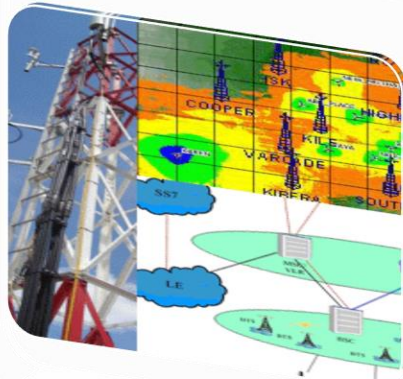


Dhelo

Engineering Mobile Networks Worldwide Since 1991

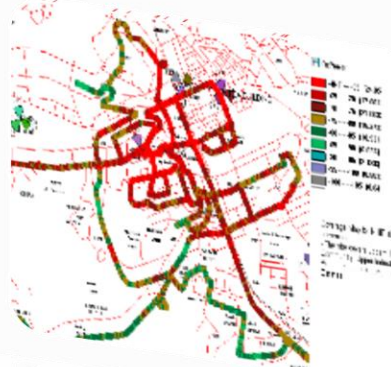
Our Project Portfolio

Engineering Excellence Since 1991



Network Design
& Rollout '96-
2003

- Brazil
- Network Design
- Peru
- Network Upgrade
Expansion



CDMA Rollout,
New Mexico &
Colorado '98

- Clear Spectrum for
CDMA
- Retune & Optimize
IS-95 Network
- Design & Rollout
CDMA



Tanzania '07

- RF & MW Survey
- Reporting
- Documentation



Engineering Mobile Networks Worldwide Since 1991

Our Project Portfolio

Engineering Excellence Since 1991



Sprint

CDMA Network Rollout '98

- Orlando Florida
- Drive Test - RF Coverage
- Raleigh-Durham
- RF Network Design
- RF Search Area Maps
- RF Survey
- Site Acceptance



T-Mobile

stick together

CDMA - Nokia 3G BTS upgrade Houston '03

- Site Commissioning
- Drive Test
- Call Setup
- Voice/Data
- Hand-off
- Neighbour List
- RF Performance



Singtel

BSI/Singapore Telecom '94

- RF Network Design
- On Location in Singapore



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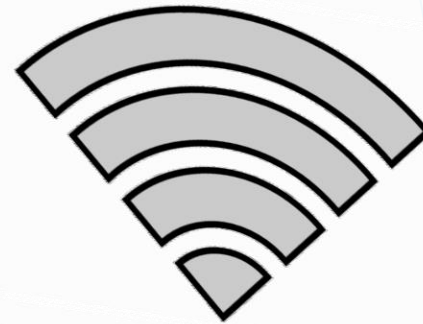
Our Project Portfolio

Engineering Excellence Since 1991



FLASHCOM, Kenya, Entrepreneur Case Study '04- '07

- Market Analysis & Business Plan
- Technical Plan & Vendor Finance
- Investor Acquisition & Project Finance
- Regulatory Affairs
- Network Planning & Rollout
- Marketing Plan & Commercial Launch
- 1st to Market Wireless Voice/SMS/Data on an Integrated CDMA 2000 1X Platform



BrandFi, 5G new market entrant

- Develop Technical and commercial Plan



Engineering Mobile Networks Worldwide Since 1991



Network Engineering

- Network Planning
- Network Rollout
- Network Optimization
- Data Applications

Telecom Consulting

- Regulatory Affairs
- Market Development
- Business Development



BOUQUET OF SERVICES



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