

SYSTEM MANUAL

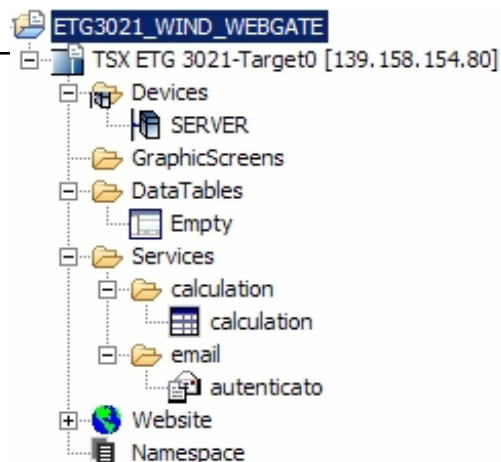
ESEMPI INTEGRAZIONE PRODOTTI

Teleassistenza con ETG3021 & GPRS via NAT

SM_0071

CONFIGURAZIONE DELL'INDIRIZZO IP "LOCALE" DEL MODULO ETG3021:

ETG3021



Ethernet parameters	
Ethernet frame format	Ethernet II
Link speed and duplex	100-FD-Auto
IP parameters	
<input type="radio"/> Served from MAC address <input type="radio"/> Served from device name <input checked="" type="radio"/> Local served	
IP address *	139.158.154.80
Subnet mask *	255.255.255.0
Default gateway *	0.0.0.0
FDR parameters	
Device name	ETG3021Default
Replication period (mn)	5

NB: PRIMA CONNESSIONE per trasferimento applicazione da WebDesigner

The factory_default IP address of the module is 10.10.x.y, where x and y can be obtained by converting the two last digits of the MAC address, from hexadecimal to Decimal.

CONFIGURAZIONE MODEM DEL MODULO ETG3021:

ETG3021



ETG3021_WIND_WEBGATE
TSX ETG 3021-Target0 [139.158.154.80]

- Devices
 - SERVER
- GraphicScreens
- DataTables
 - Empty
- Services
 - calculation
 - calculation
 - email
 - autenticato
- Website
- Namespace

- New
- Edit
- Cut
- Copy
- Paste
- Delete
- Rename
- Transfer
- Connect
- Disconnect Alt+D
- Properties**

Modem	
<input checked="" type="radio"/> Internal	<input type="radio"/> External
Internal Modem	
PIN code	<input type="text"/>
SMS service center	<input type="text" value="+393205858500"/>
Callback	
Callback on ring enable	<input checked="" type="checkbox"/>
Number of rings	<input type="text" value="2"/>
Time before calling back (sec)	<input type="text" value="5"/>
Phone list index	<input type="text"/>
External Modem	
Commands HAYES	<input type="text"/>
Time before connection(s)	<input type="text" value="1"/>
Time detection	<input type="text" value="800ms"/>
Retry	<input type="text" value="1"/>
RS232 baud rate	<input type="text" value="57600"/>
RS232 parity	<input type="text" value="NONE"/>
RS232 stop bits	<input type="text" value="1"/>

Server : local PPP Address	
<input checked="" type="radio"/> Fixed	<input type="radio"/> TCP/IP address
Line Management	
Idle time before hanging up	<input type="text" value="Never"/>
Max time before hanging up	<input type="text" value="Never"/>
Hang-up after email	<input type="checkbox"/>
GPRS	
GPRS Enable	<input checked="" type="checkbox"/>
Connection	<input type="text" value="On Demand"/>
Access Point Name (APN)	<input type="text" value="internet.wind.biz"/>
Username	<input type="text"/>
Password	<input type="text"/>
IP publication	
DynDNS Hostname	<input type="text"/>
DynDNS Username	<input type="text"/>
DynDNS Password	<input type="text"/>

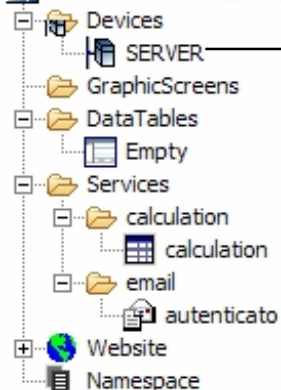
CONFIGURAZIONE DELLE VARIABILI DEL “SERVER” ETG3021:

ETG3021



ETG3021_WIND_WEBGATE

TSX ETG 3021-Target0 [139.158.154.80]



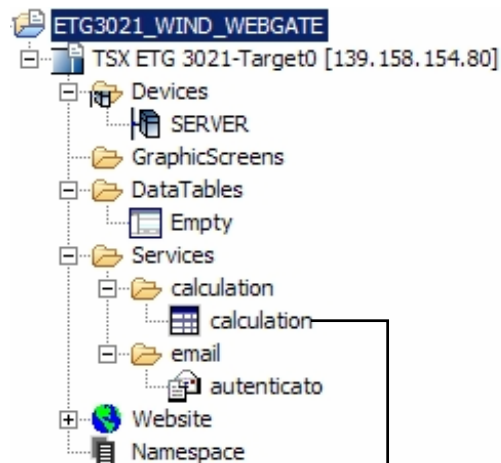
Registro di comando per aprire/chiedere la sessione di connessione alla rete Internet via GPRS

No.	Symbol	Variable	Ac...	Persistent	Comment
I/O zone					
1	OUTPUT0	%M0	R/W	<input checked="" type="checkbox"/>	Output 0
Command zone					
1	STATUS	%MW1000	R	<input checked="" type="checkbox"/>	Command status 0: OK, -1: command in course, <>0: NOK
2	COMMAND	%MW1001	R/W	<input checked="" type="checkbox"/>	Command 1: open PPP, 2: close PPP
3	CMD_PARAM1	%MW1002	R/W	<input checked="" type="checkbox"/>	first byte IP address
Diagnostic zone					
1	MINUTES	%MW2005	R	<input checked="" type="checkbox"/>	Time: Minutes
2	HOURS	%MW2006	R	<input checked="" type="checkbox"/>	Time: Hours
3	DAY	%MW2007	R	<input checked="" type="checkbox"/>	Date: Day of month
4	MONTH	%MW2008	R	<input checked="" type="checkbox"/>	Date: Month
5	YEAR	%MW2009	R	<input checked="" type="checkbox"/>	Date: Year
6	STATUS_PPP	%MW2010	R	<input checked="" type="checkbox"/>	Status PPP connection 2: server, 1: client, 0: inactive
7	GPRS_IP1_ADD_ETG	%MW2080	R	<input checked="" type="checkbox"/>	GPRS address ETG, first byte
8	GPRS_IP2_ADD_ETG	%MW2081	R	<input checked="" type="checkbox"/>	GPRS address ETG, second byte
9	GPRS_IP3_ADD_ETG	%MW2082	R	<input checked="" type="checkbox"/>	GPRS address ETG, third byte
10	GPRS_IP4_ADD_ETG	%MW2083	R	<input checked="" type="checkbox"/>	GPRS address ETG, fourth byte

Indirizzo IP rilasciato dal Provider

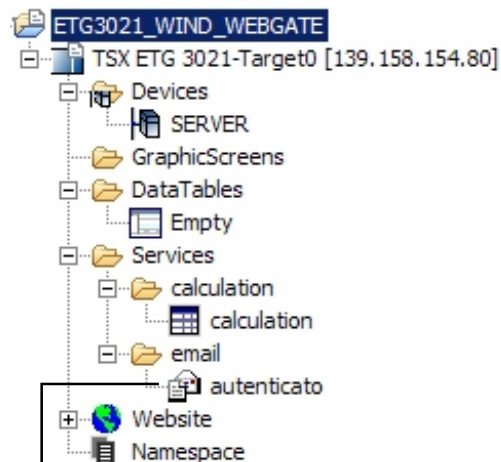
CONFIGURAZIONE DELLA CONDIZIONE PER INVIO E-MAIL NOTIFICA

ETG3021



Variable	Formula
device.SERVER.OUTPUT0	device.SERVER.GPRS_IP1_ADD_ETG!=0

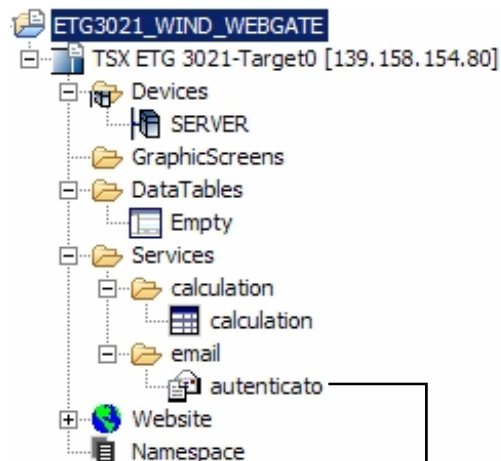
Condizione di comando all'invio della E-Mail relativa all'assegnazione di un indirizzo IP valido da parte del Provider GPRS

CONFIGURAZIONE DEL SERVIZIO E-MAIL DEL MODULO ETG3021:

Formattazione della E-Mail di notifica dell'avvenuta connessione alla rete Internet con relativo indirizzo IP assegnato



Condizione di comando all'invio della E-Mail

CONFIGURAZIONE DEL SERVIZIO E-MAIL DEL MODULO ETG3021:

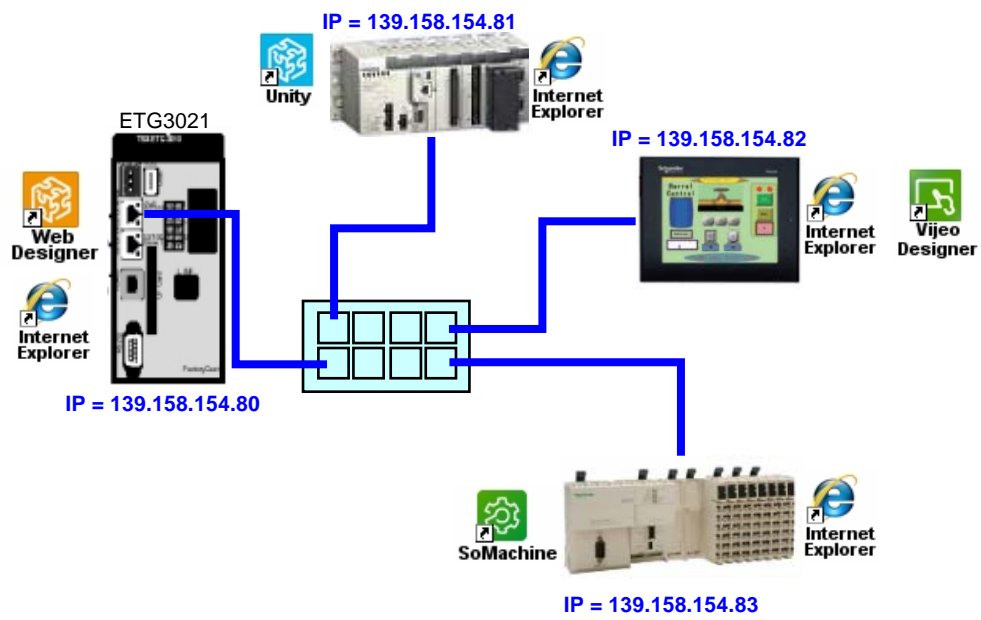
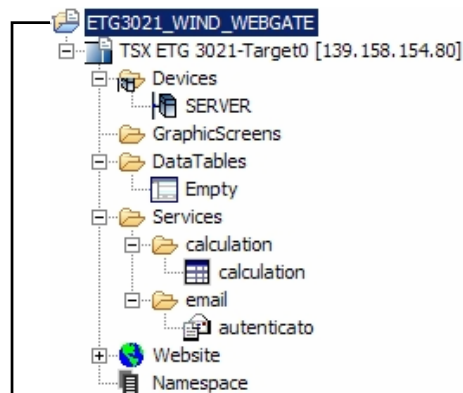
 A screenshot of the 'autenticato' configuration window. The window is titled 'autenticato' and contains several sections for configuring email settings:

- SMTP server:**
 - SMTP server address: out.alice.it
 - SMTP server port: 25
 - Secure authentication:
 - Login: etg30xx@alice.it
 - Password: *****
- Sender:**
 - Sender: etg30xx@alice.it
 - Reply address: etg30xx@alice.it
- Module:**
 - Maximum size of send queue: 100
 - Time before retry to send (in seconds): 5
- Service:**
 - Service status variable: [] ...

Parametri di accesso al server di posta del Provider GPRS con relativa autenticazione

NB: affinché il modulo possa inviare le e-mails, è necessario avere a disposizione un account regolarmente registrato (eventualmente con Login/Password) e quindi conoscerne l'indirizzo del server di posta in uscita.

CONFIGURAZIONE DEL SERVIZIO NAT DEL MODULO ETG3021:



- New
- Edit
- Cut
- Copy
- Paste
- Delete
- Rename
- Transfer
- Connect
- Disconnect Alt+D
- Properties**

Network Address Port Translation

	Protocol	Source Port	Destination Address	Destin. Port
1	TCP	5000	139.158.154.81	502
2	TCP	8080	139.158.154.81	80
3	TCP	6000	139.158.154.82	6000
4	TCP	6001	139.158.154.82	6001
5	TCP	8000	139.158.154.82	80
6	TCP	13777	139.158.154.82	13777
7	TCP	2000	139.158.154.83	1105
8	TCP	9000	139.158.154.83	80
9				

CONFIGURAZIONE DEL SERVIZIO NAT DEL MODULO ETG3021:

Network Address Port Translation				
	Protocol	Source Port	Destination Address	Destin. Port
1	TCP	5000	139.158.154.81	502
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3	TCP	6000	139.158.154.82	6000
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5	TCP	8000	139.158.154.82	80
6	TCP	13777	139.158.154.82	13777
7	TCP	2000	139.158.154.83	1105
8	TCP	9000	139.158.154.83	80
9				



WEB SERVER: Prot="HTTP" Porta="80"

- 2] PLC M340 → http\:@IP GPRS:8080
- 5] HMI XBT → http\:@IP GPRS:8000
- 8] PLC M258 → http\:@IP GPRS:9000



Teleassistenza: Prot="MODBUS" Porta="502"

- 1] PLC M340 → @IP GPRS:5000



Teleassistenza: Prot="SoMachine" Porta="1105"

- 7] PLC M258 → @IP GPRS:2000



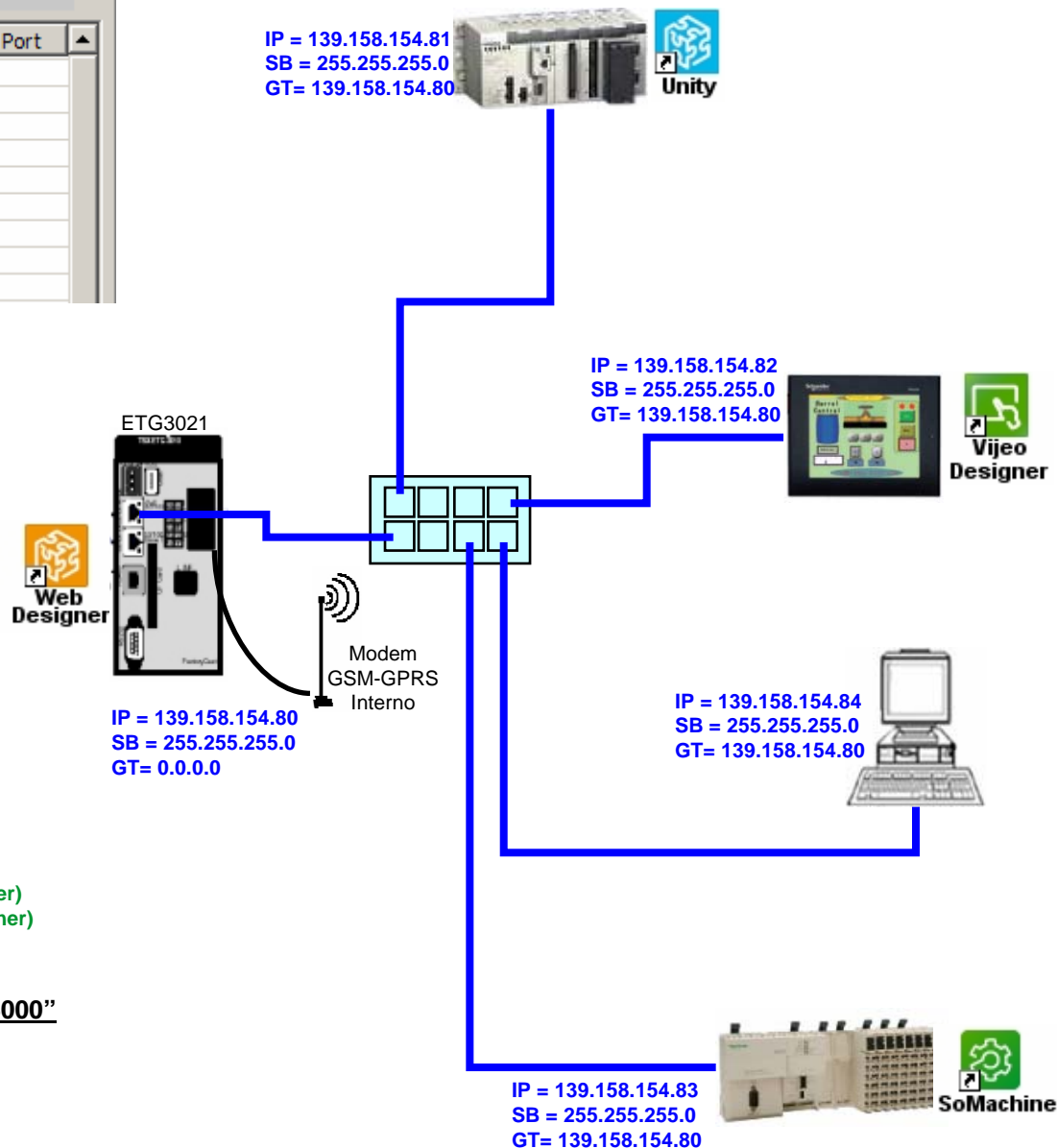
Trasf.App: Prot="VijeoDesigner" Porta="6001-13777"

- 4] HMI XBT → @IP GPRS:6001 (nattato internamente da SW VijeoDesigner)
- 6] HMI XBT → @IP GPRS:13777 (nattato internamente da SW VijeoDesigner)

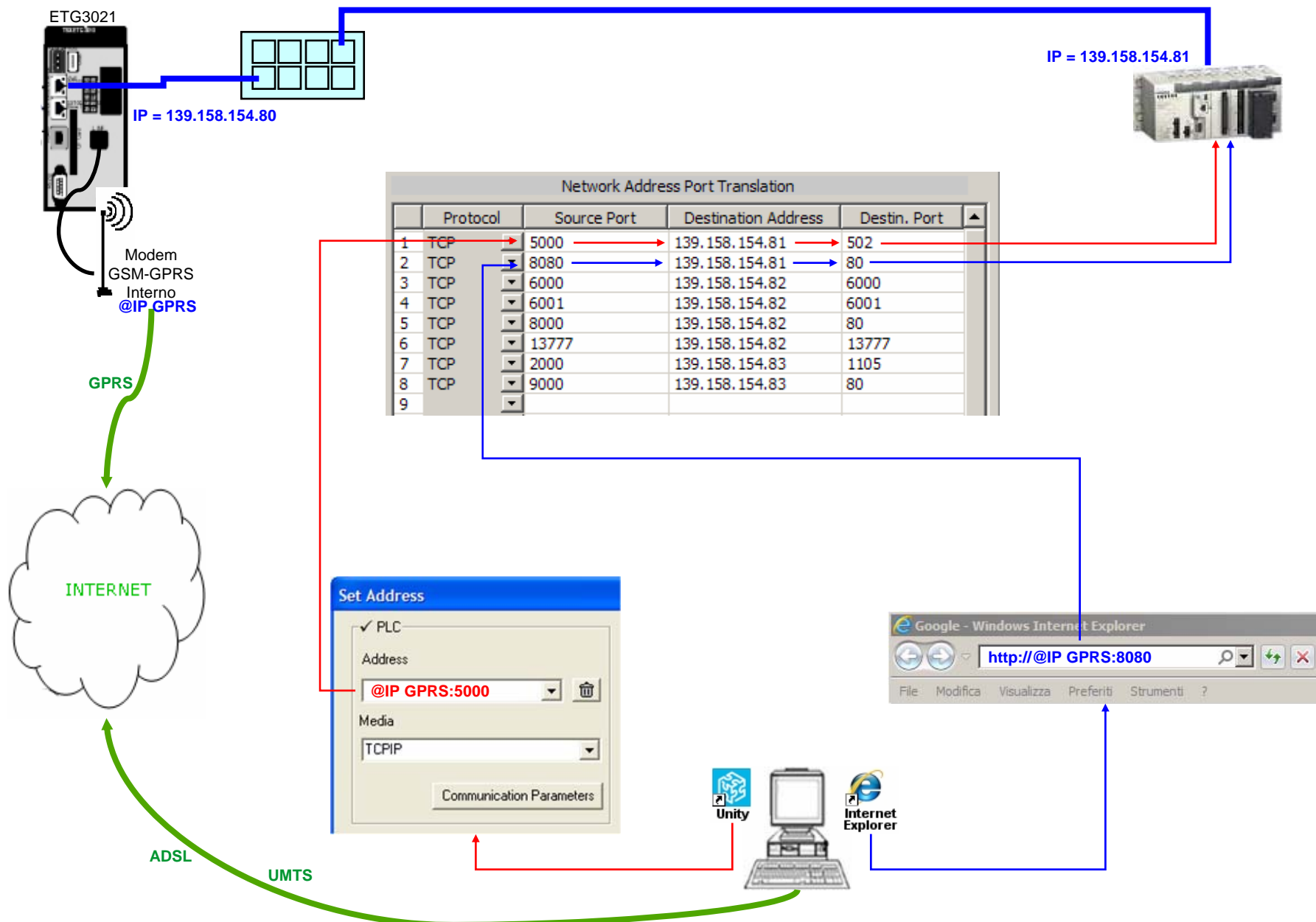


Web Gate: Prot="VijeoDesigner - ActiveX" Porta="6000"

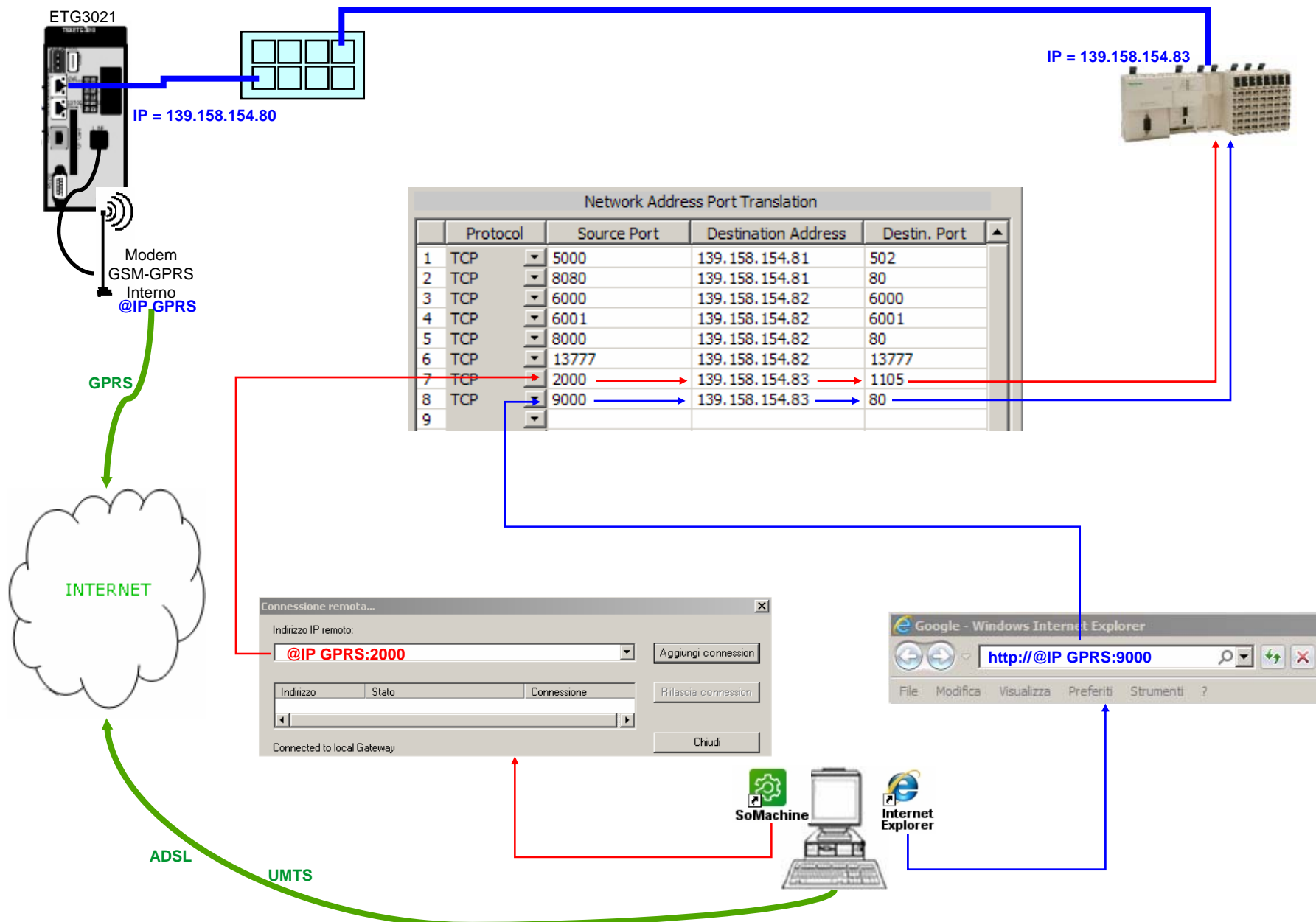
- 3] HMI XBT → @IP GPRS:6000



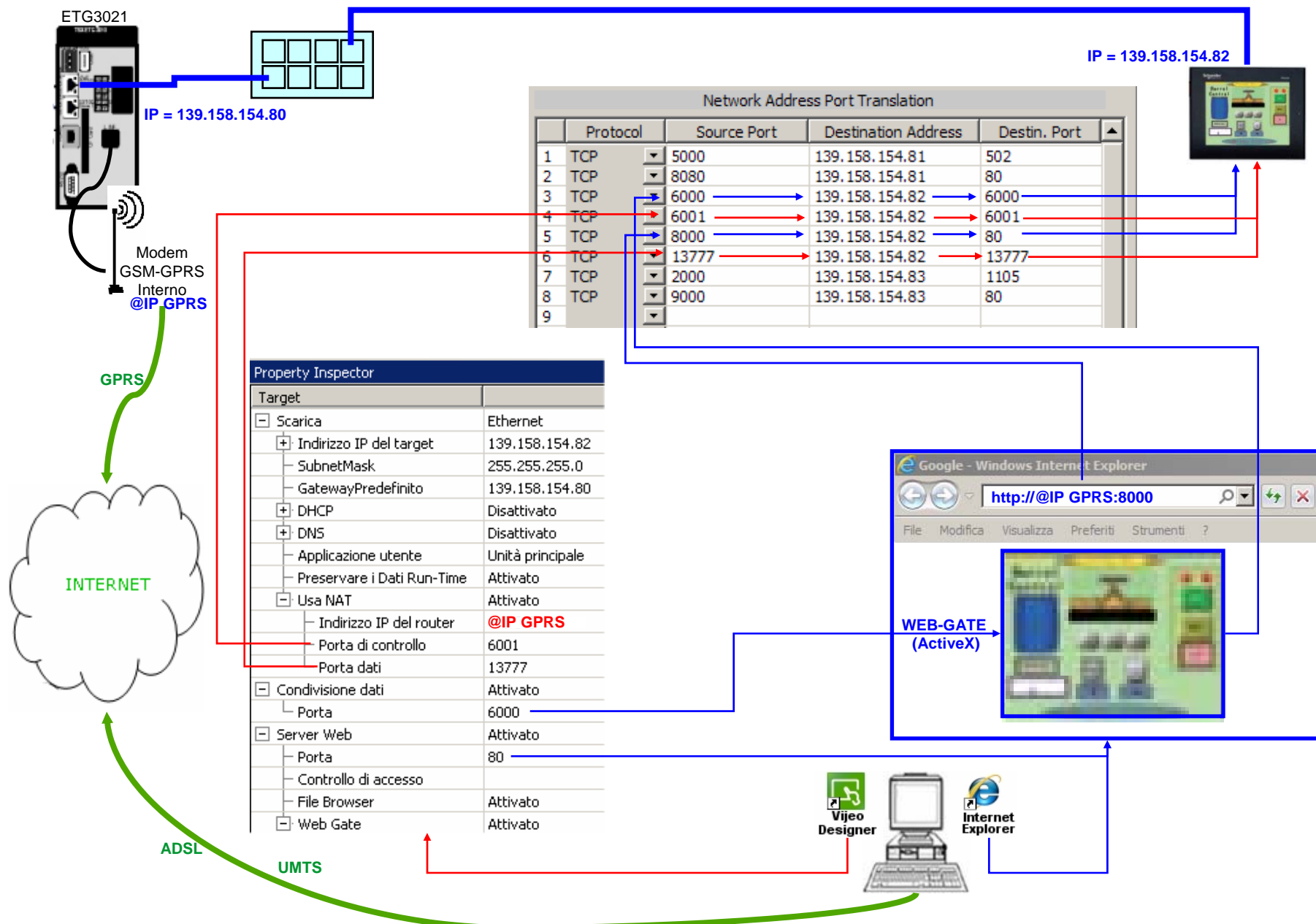
ASSOCIAZIONI INDIRIZZI-PORTE PER “RAGGIUNGERE” IL PLC “M340”



ASSOCIAZIONI INDIRIZZI-PORTE PER “RAGGIUNGERE” IL PLC “M258”



ASSOCIAZIONI INDIRIZZI-PORTE PER “RAGGIUNGERE” IL TERMINALE “XBT”



COMPONENTI

Oggetto	SM_0071 - Teleassistenza con ETG3021 & GPRS via NAT	
	Codice	Versione
Materiali	M340 - BMX342020	SV:2.1
	M258 – TM258LD42DT4L	SV:2.0.1.36
	XBTGT4340	
	TSXETG3021	SV:1.11.23MM2
	SISTEMA OPERATIVO PC	WIN XP SP3
	Web Designer	V2.30
	Unity Pro XL	V5.0
	SoMachine	V3.0
	Vijeo Designer	V5.1.20.1404 SP2
Link		
Varie	Versione di questo documento	V:1.0
	Redatto da:	Pronto Contatto: +390112281203
	Ultima Revisione	Data: 06 GIUGNO 2011