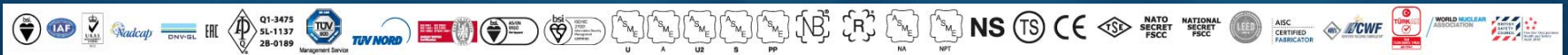


# ENKA

Engineering for a Better Future



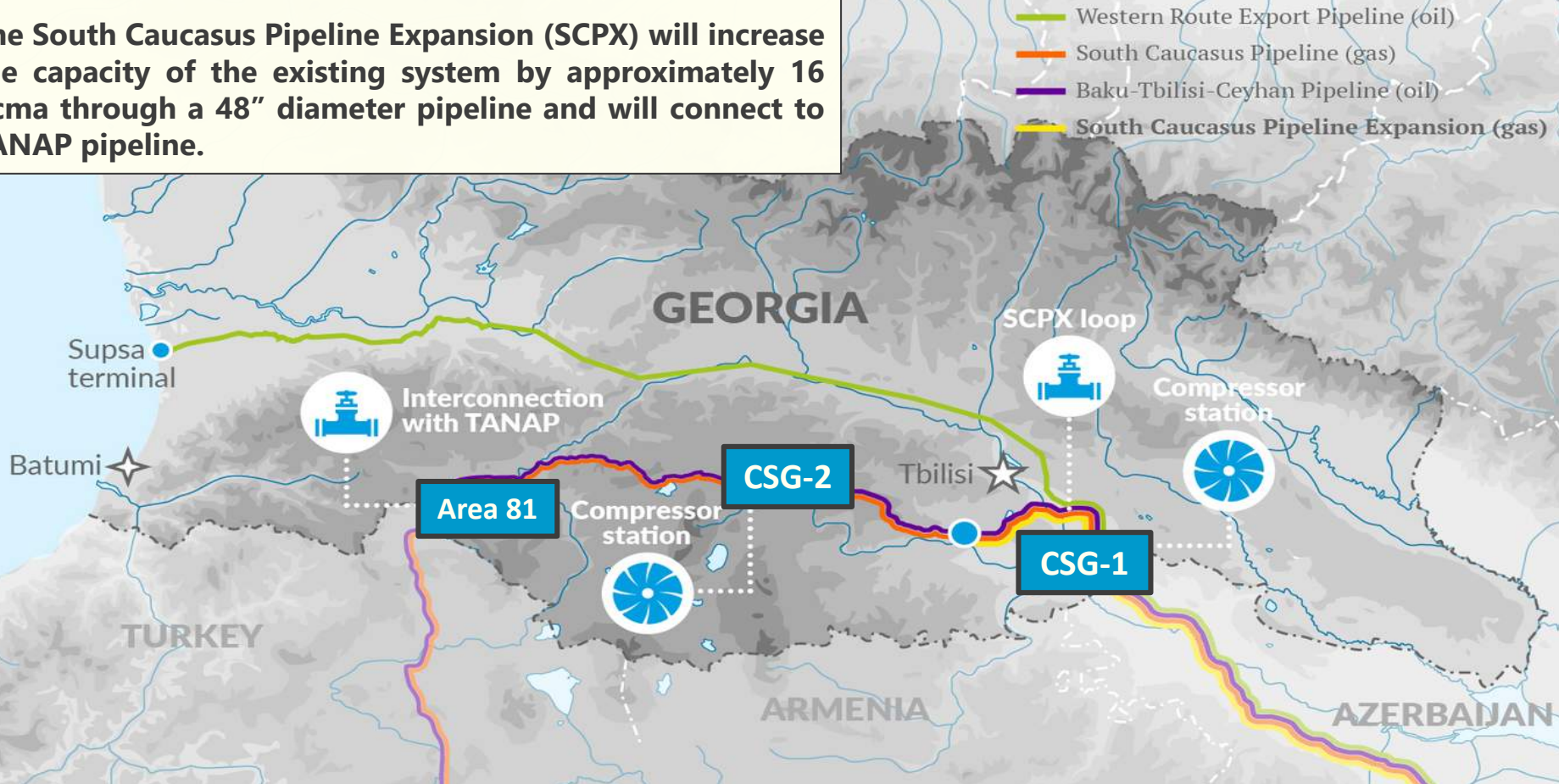
# SOUTH CAUCASUS PIPELINE EXPANSION PROJECT (SCPX)



# SOUTH CAUCASUS PIPELINE EXPANSION PROJECT (SCPX)

The existing 690 km South Caucasus Pipeline is 42" diameter and transports gas from the Sangachal Terminal in Azerbaijan to markets in Georgia and Turkey with a system design capacity of 7.4 bcma.

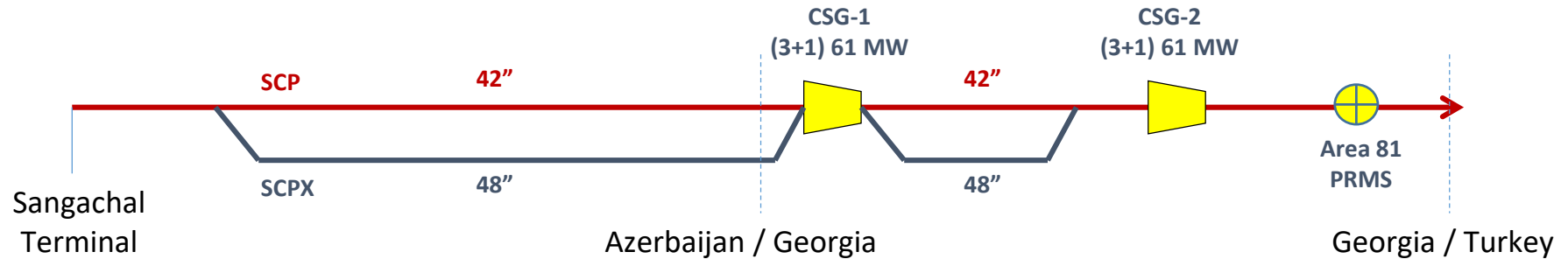
The South Caucasus Pipeline Expansion (SCPX) will increase the capacity of the existing system by approximately 16 bcma through a 48" diameter pipeline and will connect to TANAP pipeline.



# SOUTH CAUCASUS PIPELINE EXPANSION PROJECT (SCPX)

## Bechtel-ENKA Joint Venture Scope

BEJV scope consists of construction of two Compressor Stations, a Pressure Reduction and Metering Station (PRMS), Commissioning Assistance and Brownfield modifications within the existing facilities.



CSG-1
<ul style="list-style-type: none"> <li>Gas Turbine Driven Compressors (x4)</li> <li>Gas Turbine Generators (x2)</li> <li>Process Buildings (x8)</li> </ul>

CSG-2
<ul style="list-style-type: none"> <li>Gas Turbine Driven Compressors (x4)</li> <li>Gas Turbine Generators (x3)</li> <li>Process Buildings (x10)</li> <li>Accommodation Building</li> <li>Storage Tanks (x2)</li> </ul>

Area 81
<ul style="list-style-type: none"> <li>Water Bath Heaters (x4)</li> <li>Custody Metering Package</li> <li>Process Building (x1)</li> </ul>

Brownfield & Commissioning Assistance
<ul style="list-style-type: none"> <li>Install Fiscal Metering Skid and Piping at MS-72</li> <li>Installation of New Substation at MS-80</li> <li>Assistance in Hot-taps at MX-77 and MS-80</li> <li>Various modifications and Commissioning Assistance</li> </ul>

# SOUTH CAUCASUS PIPELINE EXPANSION PROJECT (SCPX)



**CSG-1**

**COMPRESSOR STATION GEORGIA - 1**

**ENKA**

Address:  
Balmumcu Mah., Zincirlikuyu Yolu No: 10  
Besiktas, Istanbul, Turkey 34349

Phone : +90 (212) 376 10 00 (pbx)  
Fax : +90 (212) 272 88 69  
Web: [www.enka.com](http://www.enka.com) E-mail: [enka@enka.com](mailto:enka@enka.com)

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# SOUTH CAUCASUS PIPELINE EXPANSION PROJECT (SCPX)



**CSG-2**

**COMPRESSOR STATION GEORGIA - 2**

**ENKA**

Address:  
Balmumcu Mah., Zincirlikuyu Yolu No: 10  
Besiktas, Istanbul, Turkey 34349

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# SOUTH CAUCASUS PIPELINE EXPANSION PROJECT (SCPX)



AREA 81

## PRESSURE REDUCTION AND METERING STATION

**ENKA**

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# SOUTH CAUCASUS PIPELINE EXPANSION PROJECT (SCPX)

## Key Health and Safety Statistics

- 25.7 Million manhours worked. The headcount at peak was 3,900.
- Total number of Recordable Cases are as below:
  - Loss Time Injuries (LTI): 3
  - Medical Treatment Cases: 14
  - First Aid Cases: 125
- 75% of the workforce were local Georgian citizens

# SOUTH CAUCASUS PIPELINE EXPANSION PROJECT (SCPX)

## Key Quantities

- 2 Million cubic meters of earth movement
- 110,000 cubic meters of reinforced concrete
- 15,000 tonnes of structural steel, grating and handrails
- 8,000 tonnes of process piping
- 7,000 tonnes of mechanical and electrical equipment
- 2,000 kilometers of electrical, instrumentation and telecommunication cabling

# RESOURCES

## HUMAN RESOURCES (DECEMBER 2018)

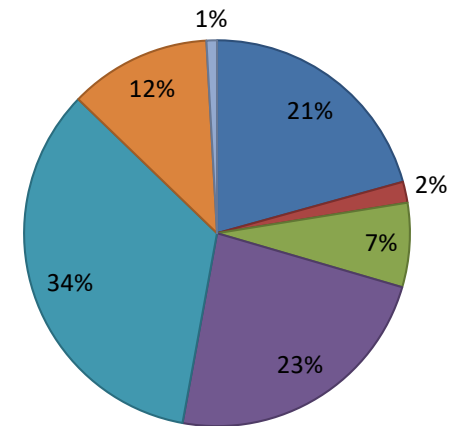
Technical Staff	29
Administrative Staff	48
Craft	405
<b>Total</b>	<b>482</b>

## HUMAN RESOURCES (PEAK NOVEMBER 2016)

Technical Staff	370
Administrative Staff	141
Craft	3,387
<b>Total</b>	<b>3,898</b>

## % OF CONSTRUCTION MACHINERY & EQUIPMENT & MARINE FLEET

- LIFTING EQUIPMENT
- CONCRETE PRODUCTION AND MATERIAL PREPERATION
- EARTH MOVING MACHINES
- TRANSPORTATION EQUIPMENT
- ENERGY GENERATION AND DISTRIBUTION EQUIPMENT
- SUPPORT EQUIPMENT
- OTHER MACHINERY, FACILITIES FOR CONSTRUCTION SITES



# Awards & Achievements

- ❖ Received the 2018 ENR Global Best Project Award under Power / Industrial Category for its SCPX Area 81 Project
- ❖ SPCX – Area 81 Project has been awarded with the Merit prize by British Safety Council in “International Safety Awards 2018”; which clearly demonstrates the project’s commitment to the health, safety and wellbeing of its workforce
- ❖ Compressor Stations Georgia-1 and Compressor Stations Georgia-2 sites of SCPX project both achieved **6,000,000** person-hours without a lost-time incident
- ❖ Area-81 of SCPX project is completed without a lost-time incident, reaching **3,000,000** person-hours





# ENKA

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