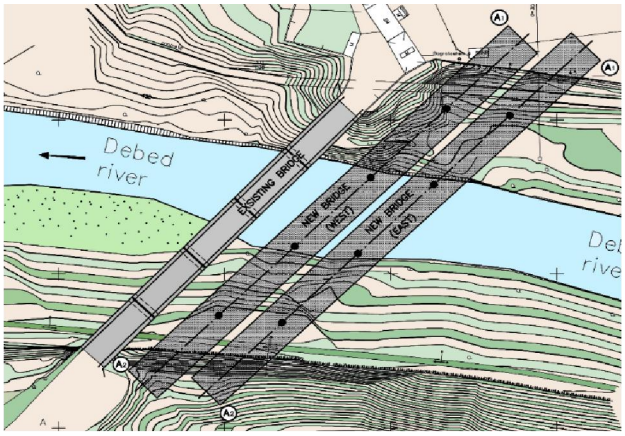
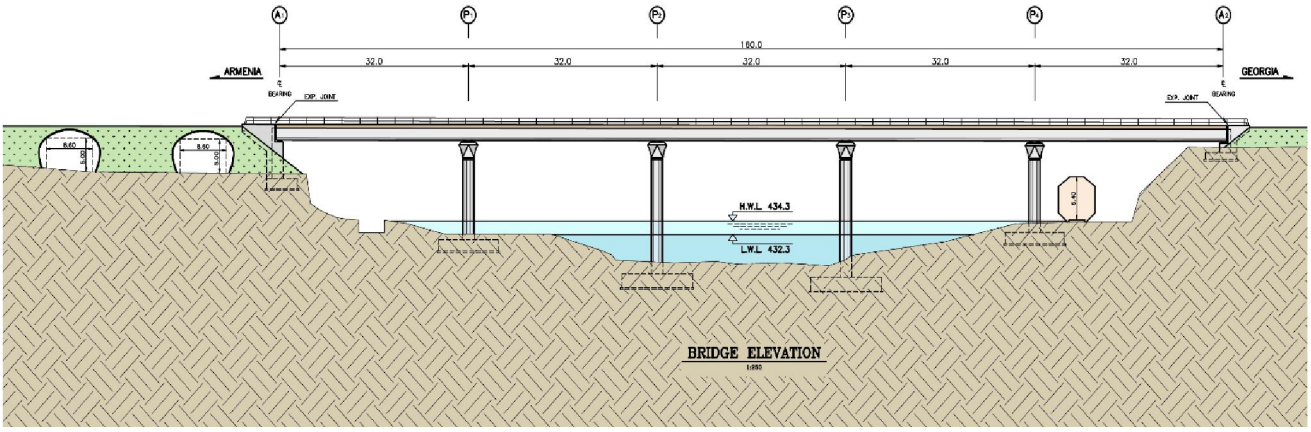
Bagratashen Bridge



Bagratashen Bridge is located over the Debed River in the border between Republic of Armenia and Georgia. This bridge is part of Northern Corridor Modernization Project and is financed by European Bank of Reconstruction and Development (EBRD). In this project, the contract was with contractor to be engineering section of the project.



Project:	Bagratashen Bridge
Main Client:	The Ministry of Transport, Communication and Information Technologies of the Republic of Armenia- Ministry of Regional Development and Infrastructure of Georgia
Consultant Company:	HEXA Consulting Engineers
Responsibilities Mehdi Ahmadian Handled in Hexa:	Preliminary Design of the Bridge Detail Design of the Bridge Design Team Leader
Bridge Total Length:	160m Length Bridge Consisting of 5 Spans of 32m Length Each
Structure System:	Precast Prestressed Concrete Girders
Construction Method:	Placement of Girders using mobile cranes
Project's Situation:	Under Design

Sebalootak Bridge

Sebalootak Bridge provides the access road for residents who parted away after the Third Dam over the Karoon River was dammed the river and submerged the existing road. The bridge spans over the dam reservoir. With a main span of 260m, it holds the title of the longest span cable-stayed bridge in Iran till date. The total height of the longer pylon is around 100m from the ground. The water level in the dam lake varies from 800m to 845m.

Project:	Sebalootak Bridge
Client:	Iran Power and Resources Development Company
Consultant Company:	HEXA Consulting Engineers
Responsibilities Mehdi Ahmadian Handled in Hexa:	Detail Design of the Bridge Construction Design of the Deck (Cantilever Method) Author Supervision of the Construction
Bridge Total Length:	416m Length Bridge with 260m Length Main Span
Structure System:	Cable-Stayed Bridge with Steel Girders and Concrete slab
Construction Method:	Erection of the Main Span using Cantilever Method with Derricks
Project's Situation:	Under Construction

Ahwaz Bridge the Ninth

Ahwaz Bridge the Ninth is located over the Karoon River in western south of Iran in a residential area in Ahwaz city. The bridge holds the title of the longest span balanced cantilever bridge in Iran.

Project:	Ahwaz Bridge the Ninth
Client:	Iranian Ministry of Internal Affairs- Khoozestan Province Division
Consultant Company:	HEXA Consulting Engineers
Responsibilities Mehdi Ahmadian Handled in Hexa:	Preliminary Design of the Bridge Detail Design of the Bridge Construction Design of the Deck (Balance Cantilever Method)
Bridge Total Length:	310m Length including two 80m side spans and one 150m middle span
Structure System:	In-Situ Prestressed Segmental Box with Internal Bonded Tendons
Construction Method:	Balanced Cantilever Method
Project's Situation:	Under Construction

Chaloos Bridge

Chaloos Bridge overpasses the Chaloos River in northern Iran, in the seaside of the Caspian Sea. This bridge is part of the belt road of Chaloos City and facilitate the transportation of vehicles travel from east to west in Mazandaran Province and want to avoid the traffic in the city center.

Project:	Chaloos Bridge
Client:	Iran Ministry of Roads and Urbane Development
Consultant Company:	HEXA Consulting Engineers
Responsibilities Mehdi Ahmadian Handled in Hexa:	Preliminary Design of the Bridge Detail Design of the Bridge Construction Design of the Deck (Balance Cantilever Method)
Bridge Total Length:	431m Length Bridge Consisting of 11 Spans with the Maximum Length of 42m
Structure System:	Precast Prestressed Segmental Box with Internal Bonded Tendons
Construction Method:	Balanced Cantilever Method
Project's Situation:	Open to Traffic-2016

25th Aban Bridge

25th Aban Bridge is located in an urbane area inside the city of Isfehan at the intersection of two often crowded roads to facilitate the transportation of vehicles in order to creating some benefits such as reducing fuel consumption and emission of polluted gases in one the most populous cities in central Iran. This bridge, holds the title of the longest span Prestressed Voided Slab Bridge in Iran with the maximum span length of 64m. The depth of the section in the longest span varies from 3m over piers to 1.5m at the mid span.

Project:	25th Aban Bridge
Client:	Isfehan Municipality
Consultant Company:	HEXA Consulting Engineers
Responsibilities Mehdi Ahmadian Handled in Hexa:	Preliminary Design of the Bridge Detail Design of the Bridge Author Supervision of the Construction
Bridge Total Length:	310m Length with the Maximum Span Length of 64m
Structure System:	Prestressed Voided Slab Deck
Construction Method:	Concreting the Deck over Scaffold
Project's Situation:	Open to Traffic-2016

Doab River Bridge

Doab River Bridge is constructed over a dam reservoir in order to recover a submerged bridge that used to provide residents of a couple of villages and small towns with a local access road. The bridge was constructed before watering of the dam, which created the possibility of construction of piers at a distance of 30m and avoiding very long spans over the entire lake width.

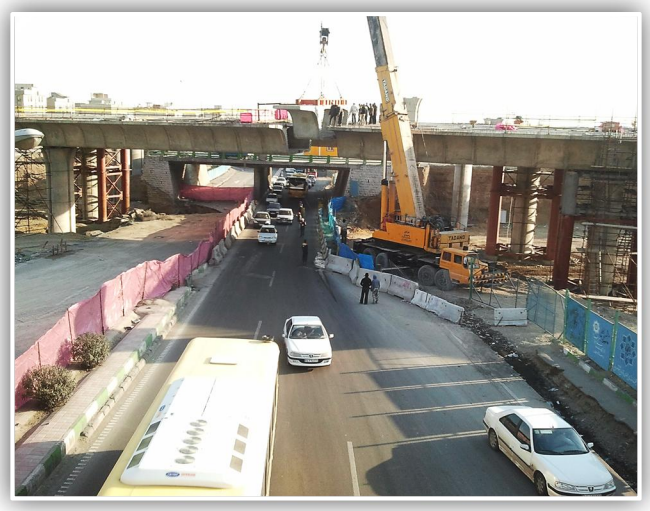
Project:	Doab River Bridge
Main Client:	Iran Power and Resources Development Company
Consultant Company:	HEXA Consulting Engineers
Responsibilities Mehdi Ahmadian Handled in Hexa:	Preliminary Design of the Bridge Detail Design of the Bridge
Bridge Total Length:	240m Length Bridge Consisting of 8 Spans of 30m Length Each
Structure System:	Precast Prestressed Concrete Girders
Construction Method:	Placement of Girders using mobile cranes
Project's Situation:	Open to Traffic- 2015

Najafi Intersection Bridges

Najafi Intersection Bridges are located in the city of Hamedan in Iran. This combination of bridges consists of one main bridge that is stretched in North-South Direction and one directional bridge that facilitate the transportation of vehicles from the west to the north, passing over the main bridge.

Project:	Najafi Intersection Bridges
Client:	Tehran Municipality
Consultant Company:	HEXA Consulting Engineers
Responsibilities Mehdi Ahmadian Handled in Hexa:	Preliminary and Detail Design of the Bridge Construction Design of the Deck (Span by Span Method) Author Supervision of the Construction
Bridge Total Length:	Main Bridge: L=234m, Max. Span: L=44m & Directional Bridge. L=600m, Max. Span: L=45m
Structure System:	Prestressed Voided Slab Deck
Construction Method:	Span by Span Stressing of Cables using Cable Couplers
Project's Situation:	Open to Traffic-2014

Jenah Intersection Bridges



Jenah Intersection Bridges aim to facilitate transportation of vehicles in the intersection of two major highways in western Tehran. There are six bridges including two main bridges and 4 directional ones. The current of the available terrific did not obstruct during construction. Construction of nearly 25,000 m^2 of deck lasted a little more than two years.

Project:	Jenah Intersection Bridges
Client:	Tehran Municipality
Consultant Company:	HEXA Consulting Engineers
Responsibilities Mehdi Ahmadian Handled in Hexa:	Preliminary and Detail Design of the Bridges Construction Design of the Decks (Balance Cantilever Method) Author Supervision of the Construction
Bridge Total Length:	Main Bridges of 250m Length each and Directional Bridges from 180m to 370m Length
Structure System:	Precast Prestressed Segmental Box with Internal Bonded Tendons
Construction Method:	Balanced Cantilever Method using Mobile Cranes
Project's Situation:	Open to Traffic-2013

Sadr Elevated Expressway Bridge

Sadr Elevated Expressway Bridge was constructed over one of the most populous highways in northern Tehran with maintaining the current of the available traffic during its construction. This project was awarded the most outstanding project prize by the Iranian Concrete Institute in 2015. Construction of nearly 150,000 m^2 of deck lasted almost two and half year.

Project:	Sadr Elevated Expressway Bridge
Client:	Tehran Municipality
Consultant Company:	HEXA Consulting Engineers
Responsibilities Mehdi Ahmadian Handled in Hexa:	Checking & Approving Design Documents Temporary Work Design Author Supervision of the Construction
Bridge Total Length:	nearly 11km including 6km of main bridge and 5 km of approaching bridges
Structure System:	Precast Prestressed Segmental Box with External Unbonded Tendons for Main Bridge
Construction Method:	Erection of Segments using Launching Gantries
Project's Situation:	Open to Traffic-2013

Karoon Arch Bridge

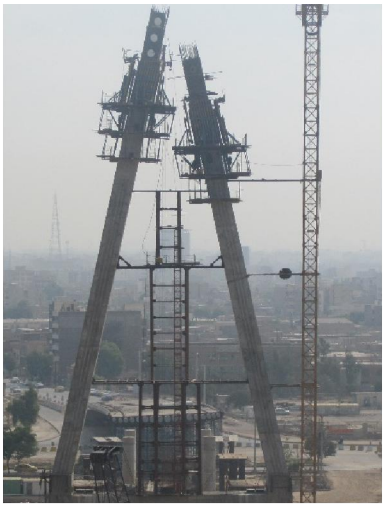
Karoon Arch Bridge thas been constructed over the reservoir of the forth dam of the Karoon River and is a part of the road that connects Shahrekord to Lordegan, two cities in western Iran. This bridge holds the title of the longest span Arch Bridge in Iran.

As it can be seen below, the bridge was constructed utilizing cantilever method with the use of two derricks at both sides. In order to stabilize the cantilevers, the deck was anchored to the ground at the location of abutments with prestressed cables during construction.

Project:	Karoon Arch Bridge
Client:	Iran Power and Resources Development Company
Consultant Company:	HEXA Consulting Engineers
Responsibilities Mehdi Ahmadian Handled in Hexa:	Checking and Approving the Design Documents
Arch Span Length:	300 m
Structure System:	Steel Arch Bridge
Construction Method:	Erection of the Main Span using Cantilever Method with Derricks
Project's Situation:	Open to Traffic- 2012

Ahwaz Bridge the Eighth

Ahwaz Bridge the eighth is located over the Karoon River in western south of Iran in a residential area in Ahwaz city. The bridge connects people living in the both sides of the Karoon River and facilitate transportation of vehicles inside the city.



Project:	Ahwaz Bridge the eighth
Client:	Ahwaz Municipality
Consultant Company:	HEXA Consulting Engineers
Responsibilities Mehdi Ahmadian Handled in Hexa:	Detail Design of the Pylons
Responsibilities:	Structure Design of the Bridge and Supervision of Construction
Bridge Total Length:	368m Length with the Main Span Length of 212m
Structure System:	Cable-Stayed Bridge with Composite Steel Box Girder
Construction Method:	Placement of Girders over Temporary Piers Prior Stressing of the Cables
Project's Situation:	Open to Traffic- 2011

Lali Cable-Stayed Bridge

Lali Cable-Stayed Bridge provides the access road for residents who parted away after the Gotvand Dam over the Karoon River was constructed. The bridge spans over the dam reservoir. The total height of the pylons is around 146m from the ground.

Project:	Lali Cable-Stayed Bridge
Client:	Iran Power and Resources Development Company
Consultant Company:	HEXA Consulting Engineers
Responsibilities Mehdi Ahmadian Handled in Hexa:	Checking the Design Documents
Bridge Total Length:	456m Length Bridge with 256m Length Main Span
Structure System:	Cable-Stayed Bridge with Steel Girders and Concrete slab
Construction Method:	Erection of the Main Span using Cantilever Method with Derricks
Project's Situation:	Open to Traffic-2011

Ah Bridge

AAh Bridge is located in a rural area in the vicinity of the city of Roodehen, which is a city around 25km away from eastern Tehran. The bridge spans over a seasonal river in a mountainous area and is part of highway that facilitate the transportation of travelers from Tehran to the Caspian Sea seaside.

Project:	Ah Bridge
Client:	Iran Ministry of Roads and Urbane Development
Consultant Company:	HEXA Consulting Engineers
Responsibilities Mehdi Ahmadian Handled in Hexa:	Structure Design of the Bridge
Bridge Total Length:	154m Length Bridge with 75m Length Main Span
Structure System:	In-Situ Prestressed Segmental Box with Internal Bonded Tendons
Construction Method:	Balanced Cantilever Method
Project's Situation:	Open to Traffic-2011