



MODERN, CLEANER ENERGY DEVELOPMENT

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FOREWORD

The prospects for the energy industry are substantial, and renewables are the most discussed of the changes.

However, renewables together with modernisation of existing energy facilities will allow us to create much stronger platforms for long-term, secure and diversified energy supplies.

Although we have identified this substantial potential, we have already been contributing to energy generation efficiency for over 100 years.

As a technical expert, SYNECTA a.s. has already secured strong partnerships with technical, commercial, financing and governmental institutions and has demonstrated credibility, robustness in selected approaches and timely execution of the assigned works.

This has resulted in the establishment of 2.2 GW of installed capacity and emissions reduction of more than 1.6 million tonnes of CO₂ per year.

**WE AIM TO BENEFIT TECHNICAL PROGRESS,
BOOST COMMERCIAL RETURNS
AND SECURE LONG-TERM SOCIAL WELFARE**

WHO WE ARE, WHAT WE DO & HOW WE DIFFER

100 years
of established activity

More than 100 years of energy industry expertise

2,2 GW
development portfolio

Strong development portfolio
Modernisation of energy plants through Project development & EPC works

10 consulting
expertise
areas

- Energy market evaluation & Corporate strategy
- Economic & Technical project evaluation
- Environmental & Social benefits
- Project development & Implementation
- Financing establishment
- Logistics solutions
- EPC works and O&M
- Industrial equipment
- Waste-to-energy
- Health medicine & Energy infrastructure

5 industry
expertise

- Conventional energy
- Renewable energy
- Health & Medicine
- Waste management
- Environmental & Climate change

1,6 mln tonnes
of CO₂ reduction per year

Green environment

Significant reduction of emissions in strict compliance with Kyoto Protocol

€100 mln +
combined value

Industrial equipment logistics organisation with preparing relevant documentation and conducting all necessary procedures in cooperation with international logistic companies

OUR CURRENT PROJECTS

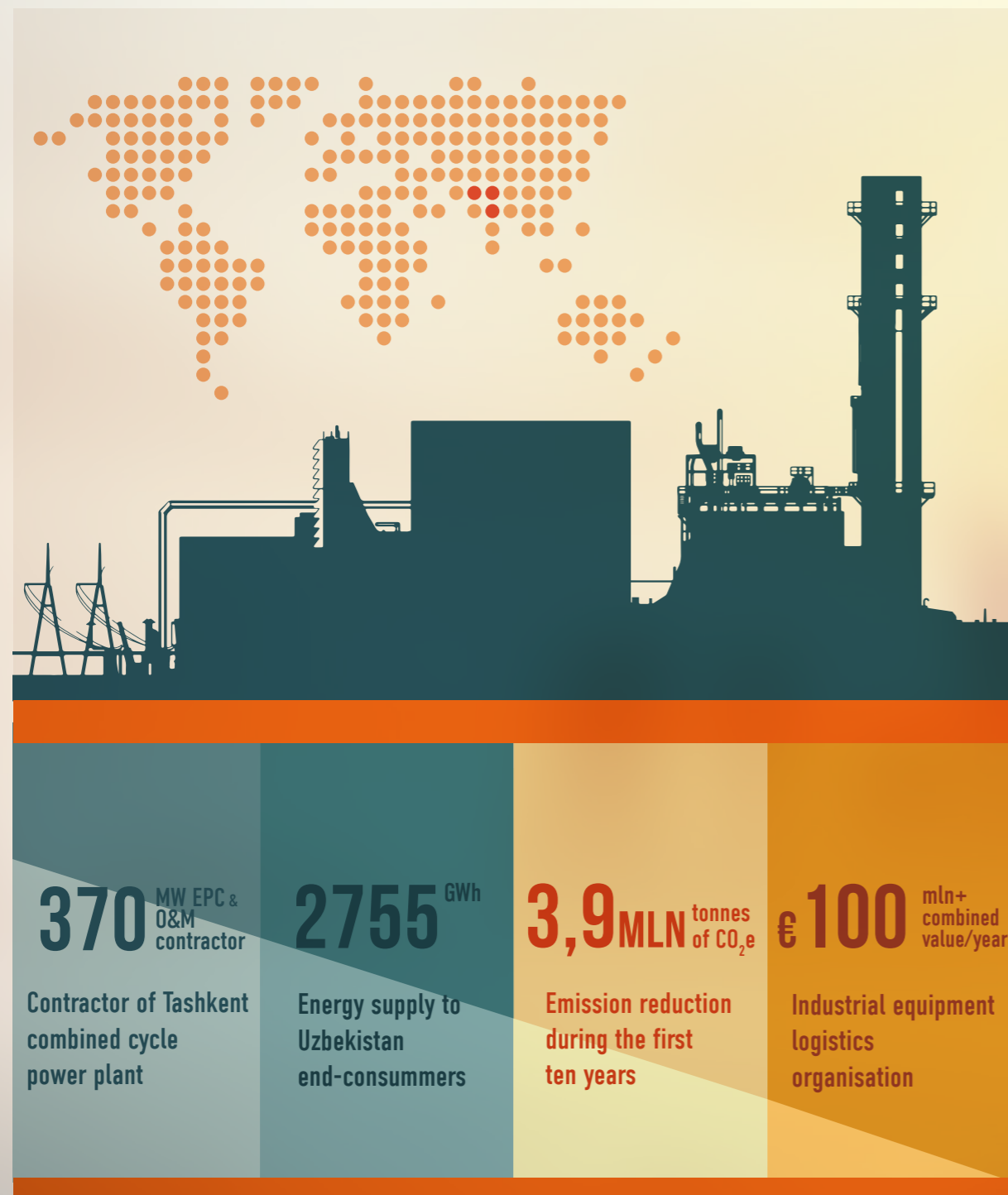
- MODERNISATION OF POWER PLANT IN TASHKENT, 370 MW
- SUPPLIES OF EQUIPMENT FOR THE POWER PLANT TALIMARJAN, 800 MW
- ILLUSTRATION OF TASHKENT POWER PLANT CONSTRUCTION WORKS
- ENVIRONMENTAL & SOCIAL BENEFITS, 4 PROJECTS



MODERNISATION OF POWER PLANT IN TASHKENT, 370 MW

SYNECTA a. s. is a general EPC contractor of Tashkent power plant.

Thanks to modernisation project, the main source of power generation is now a combined cycle turbine. The gas and steam turbines were supplied by GE Energy, a leader in global gas and steam turbine equipment.



TECHNICAL EXPERTS:



Teploelektromontage

DISTRIBUTION AND FREIGHT COMPANIES:



FINANCING ADVISORY AND WORKS ARE ARRANGED WITH:



INSTITUTIONAL BODIES:

· Government institutions

· Market advisory agencies

SUPPLIES OF EQUIPMENT FOR THE POWER PLANT TALIMARJAN, 800 MW

The equipment needed for the repair was purchased from internationally known manufacturers.

The equipment was supplied by German companies Siemens and Kühme Armaturen.



TECHNICAL EXPERTS:

SIEMENS



DISTRIBUTION AND FREIGHT COMPANIES:

CHANDLER



INSTITUTIONAL BODIES:

· Government institutions

· Market advisory agencies

ILLUSTRATION OF TASHKENT POWER PLANT CONSTRUCTION WORKS

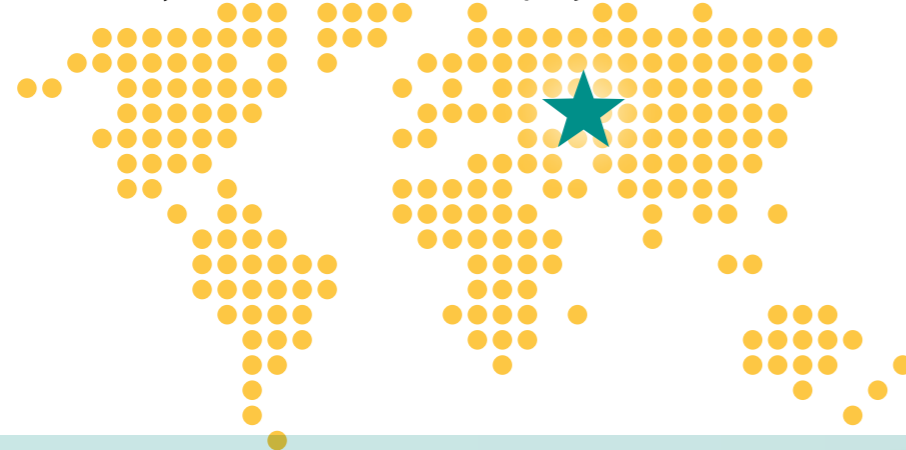


ENVIRONMENTAL & SOCIAL BENEFITS

Our experience

We have been active in the establishment of the emissions reduction market in Asia and Europe since 2011.

We are currently involved in four CDM projects.



Direct projects

Talimarjan Clean Generation
Project emissions reduction
8,361,518 t CO₂e.

Tashkent Power Project emissions
reduction 3,903,428 t CO₂e.

Consulted projects

Navoi I emissions reduction
3,428,883 t CO₂e.

Navoi II emissions reduction
424,728 t CO₂e.

WE ARE PROACTIVE IN THE DEVELOPMENT AND IMPLEMENTATION OF CLIMATE CHANGE PROJECTS THROUGH COOPERATING AND STRENGTHENING OF RELATIONSHIPS WITH GOVERNMENTS, ENERGY INSTITUTIONS, COMMERCIAL AND NON-COMMERCIAL INVESTORS, AND PUBLIC WELFARE ORGANISATIONS

Our services

Identification
of potential CDM projects, identify the methodology, establish the baseline case

Development
of the GHG (greenhouse gas) emission reduction documentation in accordance with international rules

Advisory
services in contract negotiations with the validation company and executive board

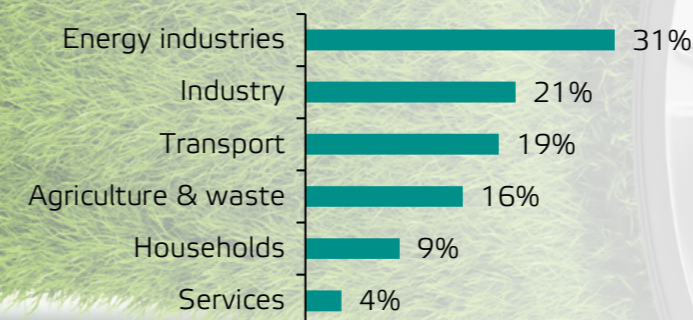
Marketing
of GHG emission reductions on behalf of the project owner



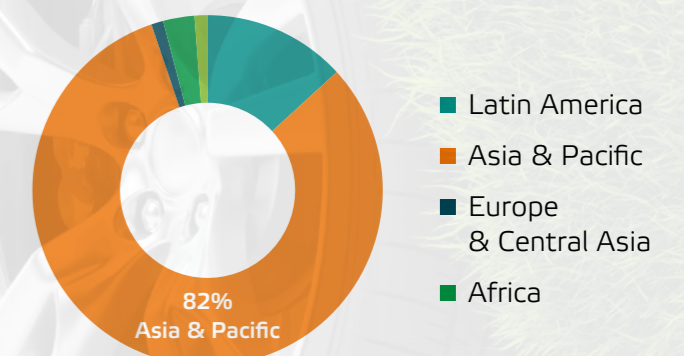
Clean development mechanism (CDM)

Article 12 of the Kyoto Protocol allows a country with an emission-reduction, or emission-limitation commitment under the Protocol to develop an emission-reduction project in a developing country. This is described as a CDM.

World emissions by sectors



World share of CDM projects by region



OUR EXPERTISE

- **PROJECT DEVELOPMENT & IMPLEMENTATION**
- **LOGISTICS SOLUTIONS**
- **EQUIPMENT FOR INDUSTRIAL FACILITIES**
- **EPC WORKS & OPERATIONS AND MAINTENANCE (O&M)**



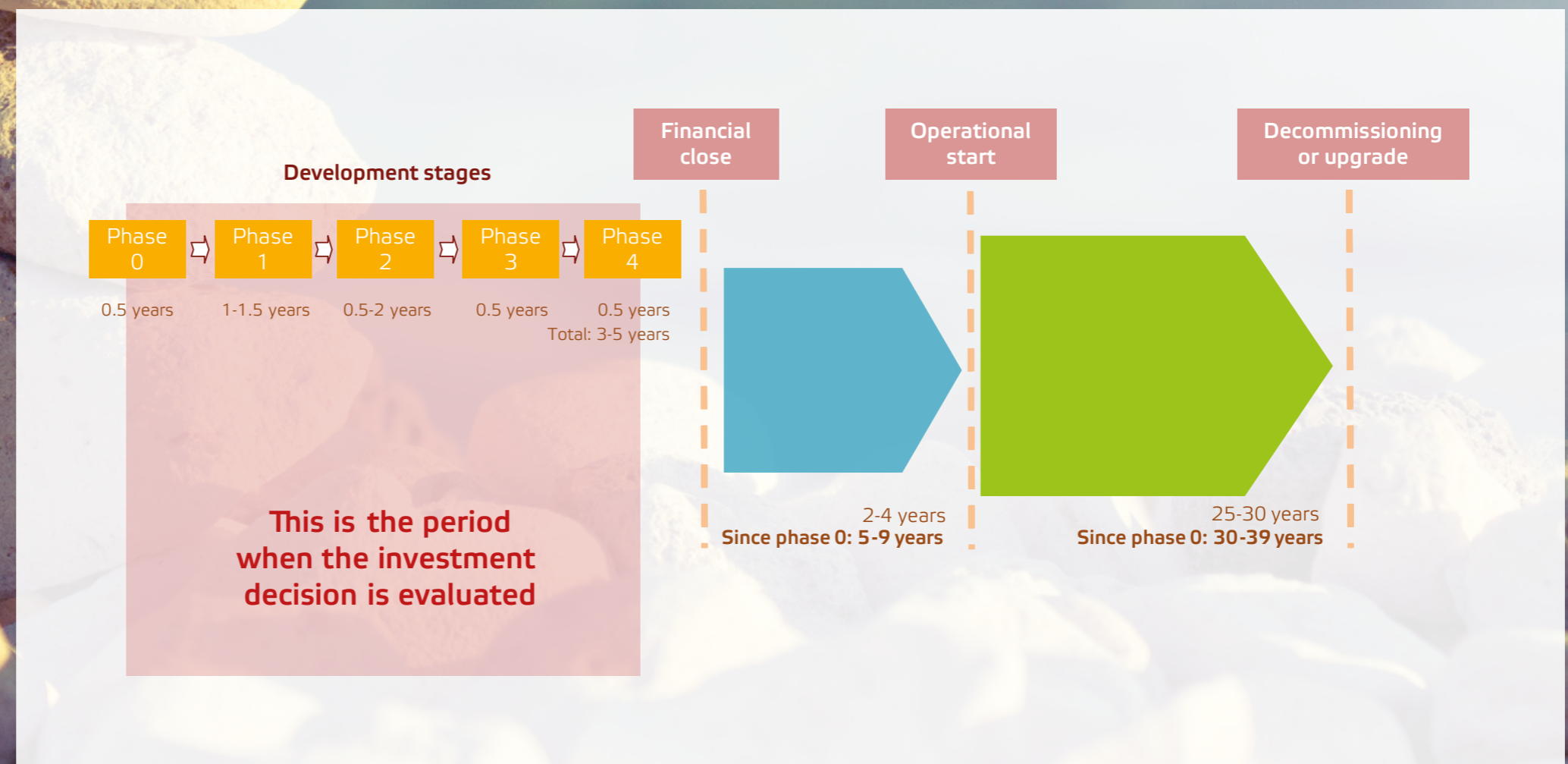
PROJECT DEVELOPMENT & IMPLEMENTATION

Each project needs a plan for timely, successful and efficient development. Therefore, project development is a must.

We have expertise in project development management. We can provide advice and oversight regarding:

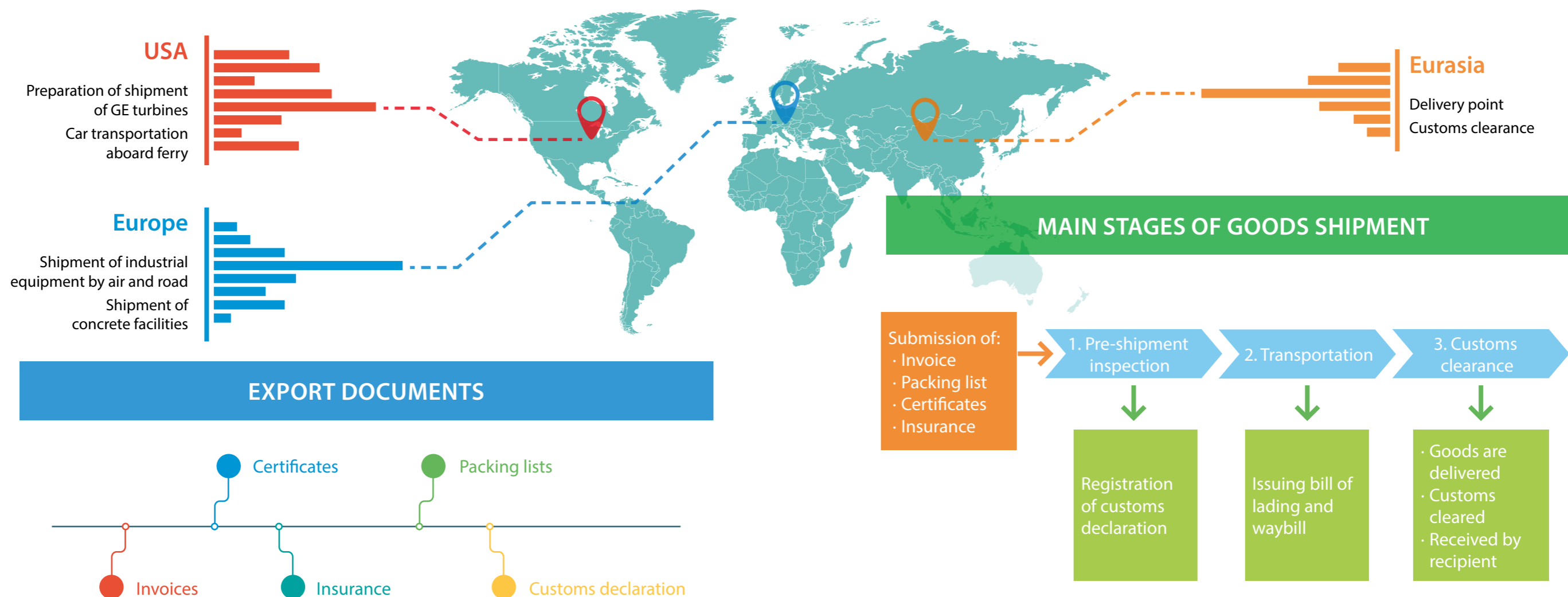
- Establishment of tasks, timelines and responsibilities
- Estimation of associated development expenses
- Guidance through the development process

WE ARE EXPERIENCED IN THE CREATION OF EASY-TO-UNDERSTAND, EFFICIENT AND DETAILED PROJECT DEVELOPMENT MECHANISMS



LOGISTICS SOLUTIONS

SYNECTA A.S. OFFERS LOGISTIC SERVICES WITH DETAILED PREPARATION OF EXPORT DOCUMENTATION IN ACCORDANCE WITH LEGISLATION IN THE STATE OF ORIGIN AND DESTINATION. WE ARE EXPERIENCED IN TRANSPORTING EQUIPMENT OF ANY SIZE AND BY ANY KIND OF CARRIER BETWEEN THE USA, EUROPE, AND EURASIA



We have expertise in preparing relevant documents and conducting all necessary procedures before forwarding goods:

- Certificates of origin (certified by local chambers of commerce), which minimises exporter's time and cost during customs clearance
- Commercial invoices, packing lists with indication of HS codes and goods descriptions
- Performing pre-shipment inspection and drawing up the customs declaration

OUR PARTNERS

We consistency with international logistic companies, such as:

- LKW WALTER
- DHL
- Chandler

EQUIPMENT FOR INDUSTRIAL FACILITIES

SYNECTA's INPUT

WITH OUR IN-DEPTH KNOWLEDGE OF SUPPLYING INDUSTRIAL EQUIPMENT, WE OFFER COMPLETE SOLUTIONS WITH COMPETITIVE ADVANTAGES THROUGHOUT THE ENTIRE PROCESS

Database and agreements

We have the database and agreements (including exclusive ones) to find the most appropriate party in the most efficient manner.

Time and resources

We save your time and resources in finding the best equipment that matches your requirements and specifications.

SYNECTA's VALUE ADDED IN SUPPLYING INDUSTRIAL EQUIPMENT

Expertise in large-scale projects

Our employees are experts in procurement, having worked on large-scale modernization projects and supplying equipment to power facilities (up to 478 MW).

Quality and standards

SYNECTA a.s. offers production by European manufacturers which correspond to international certification and standards.

Product range

- Armatures
- Steam traps
- Compressors
- Pumps
- Piping systems
- Other

SYNECTA's OUTPUT

EPC WORKS & OPERATIONS AND MAINTENANCE (O&M)

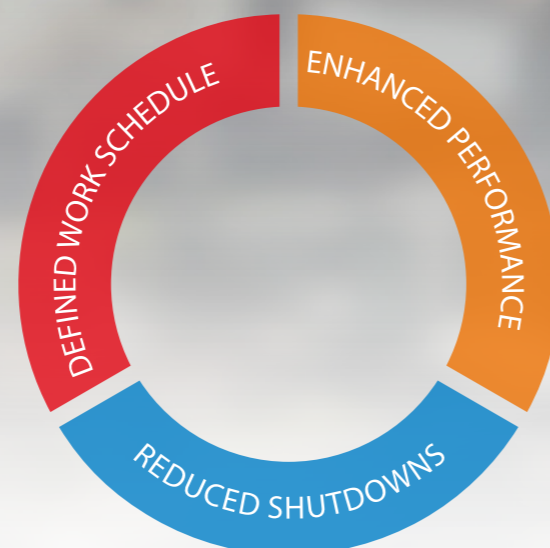
WE MINIMIZE THE IMPACT OF POWER PLANTS ON THE ENVIRONMENT THROUGH MODERNISATION & ADVANCE TECHNOLOGY AND INCREASE OPERATIONAL EFFICIENCY THROUGH A DEFINED SCHEDULE & AN AGREED-UPON SERVICE COST STRUCTURE

We play a proactive role in Engineering, Procurement and Construction (EPC) and subsequent O&M service having well-established relationships with our subcontractors.

Operational facility

O&M is an integral operational procedure allowing for smooth continuous performance with defined costs and timing maintenance intervals.

Technical requirements



Complete reconstruction of the power block of Talimarjan, 800 MW

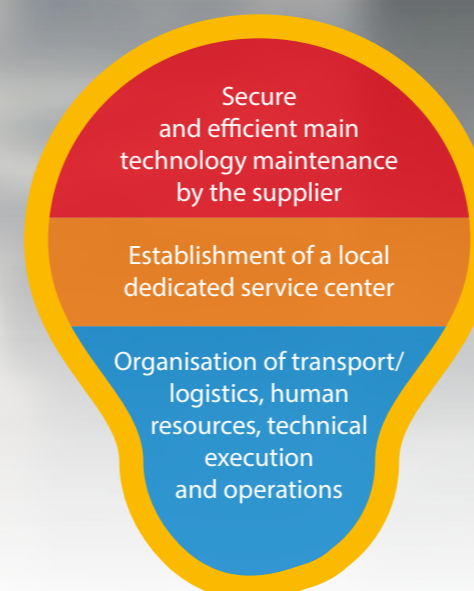
The equipment needed for the repair was purchased from German companies Siemens and Kühme Armaturen.

Modernisation of power plant in Tashkent, 370 MW

Thanks to modernisation of the power plant in Tashkent, the main source of power generation is now a combined cycle turbine supplied by GE Energy.

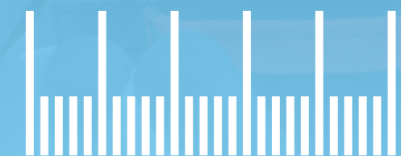


Cooperation



Planned cost cash flow

Enhanced performance and timely and cost efficient execution of maintenance.



CONTACT US

We look forward to building on our mutual expertise and the trust to move towards cleaner and more sustainable energy generation.

WE CREATE VALUE-ADDED SERVICE THROUGH
A WELL-THOUGHT AND EFFICIENT APPROACH WHICH WILL
WORK FOR GENERATIONS

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