



Inversia LLC is an independent specialized air company, which ensures the efficient operation of airlines, airports, air traffic control services and maintenance and repair facilities.

COOPERATION.

Russia

Inversia LLC has cooperation following enterprises



**ОДК
КЛИМОВ**

UEC-Klimov



РЕДУКТОР-ПМ
ХОЛДИНГ ВЕРТОЛЕТЫ РОССИИ

Reductor-PM (Perm)



ОАО «31 ЗАТО»

31 ZATO



**ГИПРОНИИ
АВИАПРОМ**

GiproNIIaviaprom



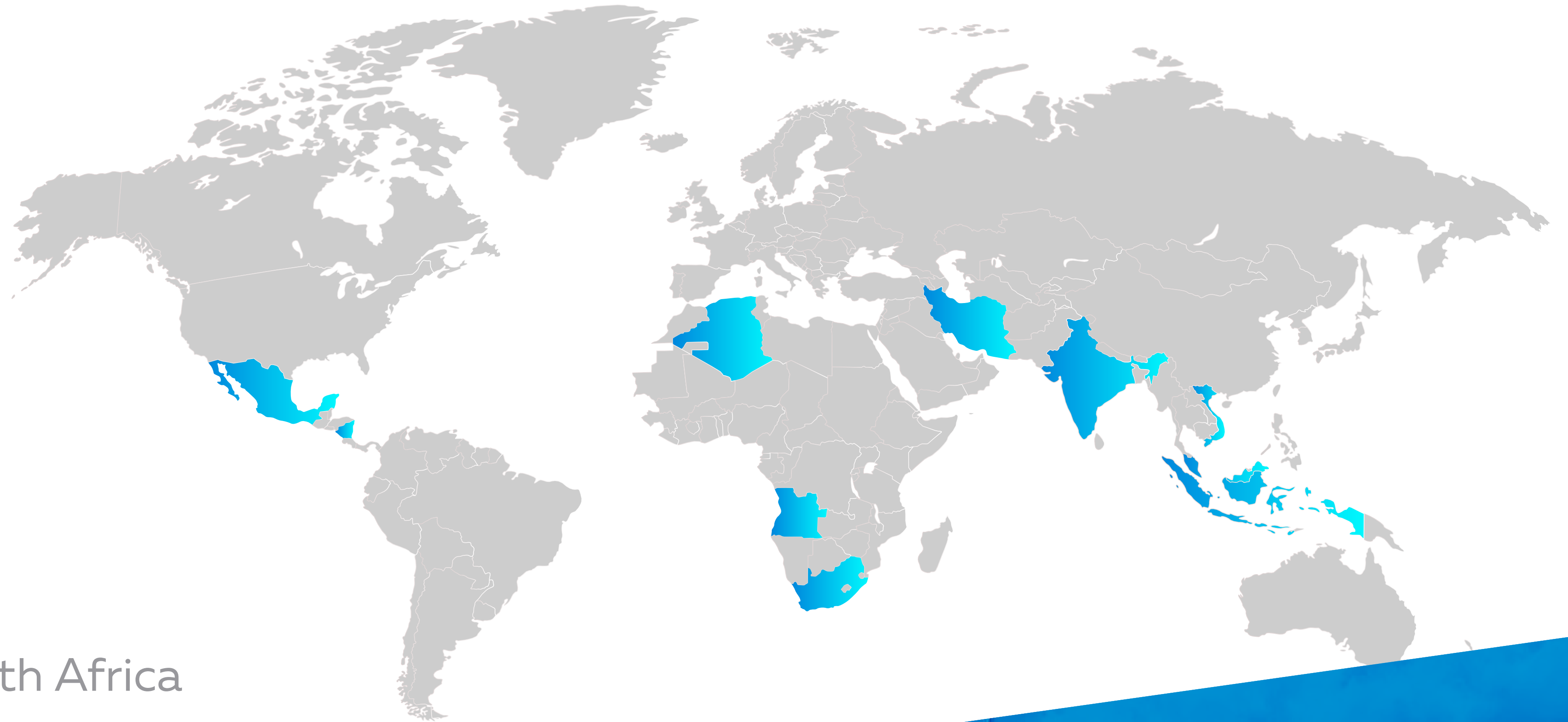
**УМПО
ОДК**

UEC-UMPO

COOPERATION.

World

-  India
-  Vietnam
-  Malaysia
-  Indonesia
-  Iran
-  Algeria
-  Angola
-  Republic of South Africa
-  República de Nicaragua
-  Mexico



Inversia LLC has cooperation following countries



MINISTRY OF INDUSTRY AND TRADE
OF THE RUSSIAN FEDERATION

LICENSE

No. M 004217 BBT-IIP

dd. December 20, 2017

For development, production, testing, installation, assembling, maintenance, repair, scrapping and sale of weapon and military equipment

Types of works (services) carried out (provided) as part of the licensed activity, according to part 2 Article 12 of the Federal Law No. 99-FZ dd. May 4, 2011 On Licensing of certain types of activity:

production and sale of weapon and military equipment;
repair, maintenance, installation and assembling of weapon and military equipment.

This license is issued for:
Limited Liability Company "Inversia"
(LLC "Inversia")

Primary State Registration Number of a legal entity
Taxpayer identification number

OGRN 1026300522324
INN 6311008123

AIRCRAFT PRODUCTION LICENSES

Inversia LLC
has granted with
the following certifications

MINISTRY OF INDUSTRY AND TRADE
OF THE RUSSIAN FEDERATION

Appendix to the license

No. M 004217 BBT-IIP

dd. December 20, 2017

For development, production, testing, installation, assembling, maintenance, repair, scrapping and sale of weapon and military equipment

to Limited Liability Company "Inversia"
(LLC "Inversia")
OGRN 1026300522324, INN 6311008123

production and sale of weapon and military equipment;
air launchers for unguided rockets (Class 1055);
air systems of unified indication; pointers and devices of tracking systems
(Class 1260);
aviation radio-navigation equipment (Class 5826);
complexes for preventing adversary's technical intelligence (Class 5865);
unsealed crash-helmets (Class 8475).

Repair, maintenance, installation and assembling of weapon and military
equipment.
air launchers for unguided rockets (UCIA 1055);
designation and indication equipment of weapon (fire) control systems (UCIA
1260);
component parts of air vehicle chassis (UCIA 1620);
other component parts, devices and aggregates of aviation equipment, not
included in other classes of this group (UCIA 1680);
aviation radio-navigation equipment (UCIA 5826);
complexes for preventing adversary's technical intelligence (Class 5865);
unsealed crash-helmets (Class 8475).

Deputy Minister
Stamp here

/Signature/

O.E. Bocharov

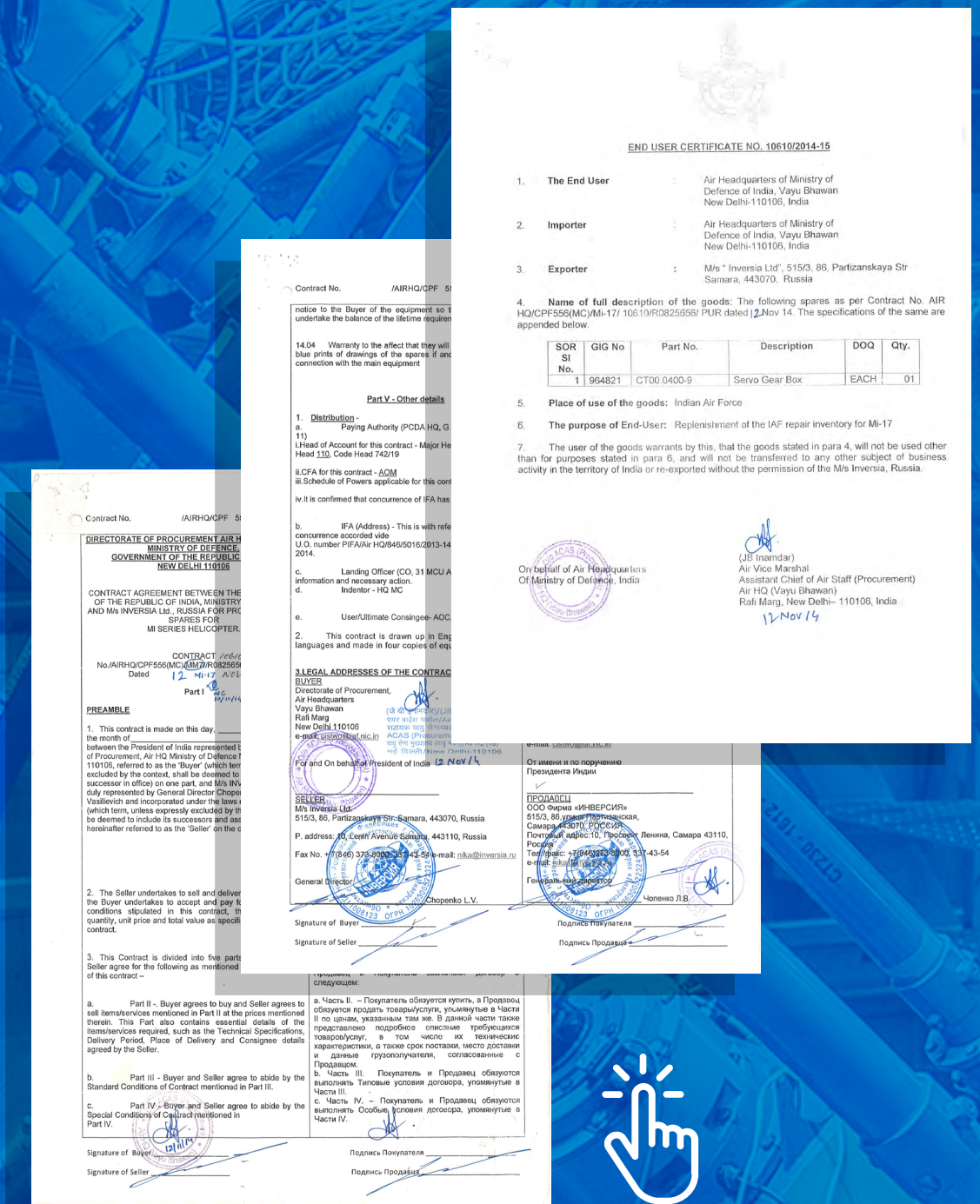
Round seal: <Ministry of Industry and Trade of the Russian Federation, Minpromtorg of
Russia, OGRN 1047796323123>

The Appendix is an integral part of the license

No. 0012036

Translated from Russian into English by A.V.Ilin, a certified translator, Na Vseh Yazikah LLC
Tel. +7 846 9917151. Address: office 501, 15 Michurina Str., Samara. PSRN 1126316006200
This translation corresponds to the original document.

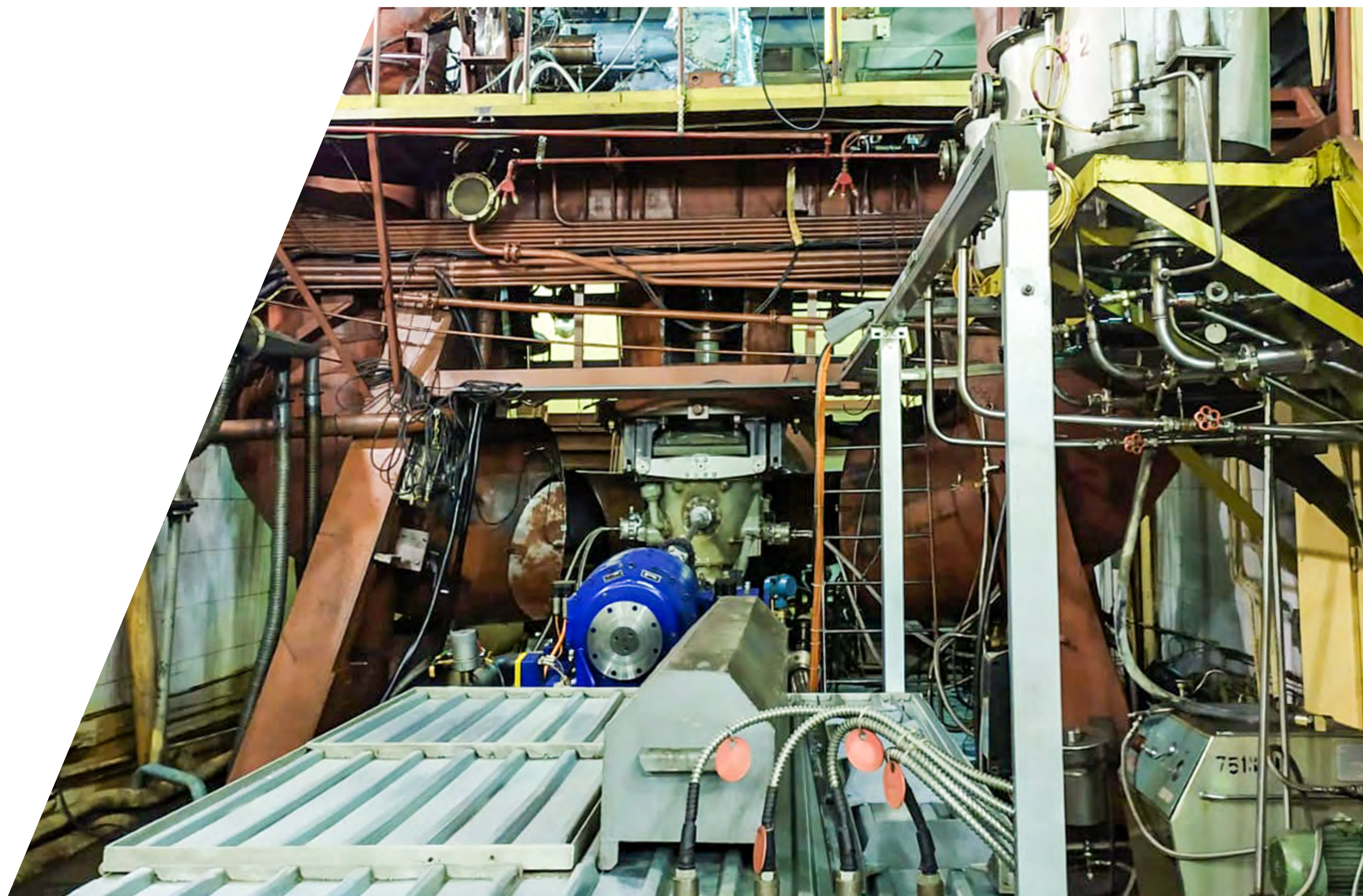
NO. 3 BASE REPAIR DEPOT at Chandigarh



Inversia LLC provided delivery and put to operation of equipment for main gearbox test bed to 3BRD at Chandigarh

EXPERIENCE

Inverisa LLC participated in the design, supply, commissioning of fifteen test bed for TV3-117, VK-2500 engines, as well as for main gearboxes. The entire process from the beginning of design to commissioning was done in Chita, Russia in 2016.



Стенд для испытаний вертолетных редукторов содержит станцию 1, на которой установлены приводные двигатели 2, связанные с помощью валов 3 с установленными на станции 1 испытываемым редуктором 4. Стендовый редуктор 5 установлен в верхней части станции 1 над редуктором 4 по оси его вала 6 и соединен с ним посредством редуктора 7 и муфты 8. Стенд снабжен компрессором 9, который соединен валом со стендовым редуктором 5 и дополнительными турбинами 10, валы которых связаны с валом 3 двигателями 2 и с редуктором 4. Главная магистраль 11 обеспечивает выход компрессора 9 и входы дополнительных турбин 10. Стенд работает по следующей схеме:

Двигатели 2 создают крутящий момент, который передается на валы испытываемого редуктора 4 и компрессора 9. До выхода редуктора 4 на обороты загрузочного режима лопатки входного направляющего аппарата компрессора 9 полностью закрыты. Компрессор работает без расхода воздуха, чем достигается минимальный нагрузочный режим испытываемого редуктора 4.

После выхода на рабочий режим редуктора 4 открываются лопатки входного направляющего аппарата компрессора 9 и газ по лопаточной магистралью 11 направляется на турбину 10. При этом направление вращения турбины 10 совпадает с направлением вращения двигателя 2.

На чертеже приведена принципиальная схема стенда для испытания вертолетных редукторов.

BP-14
OVERHAUL MANUAL

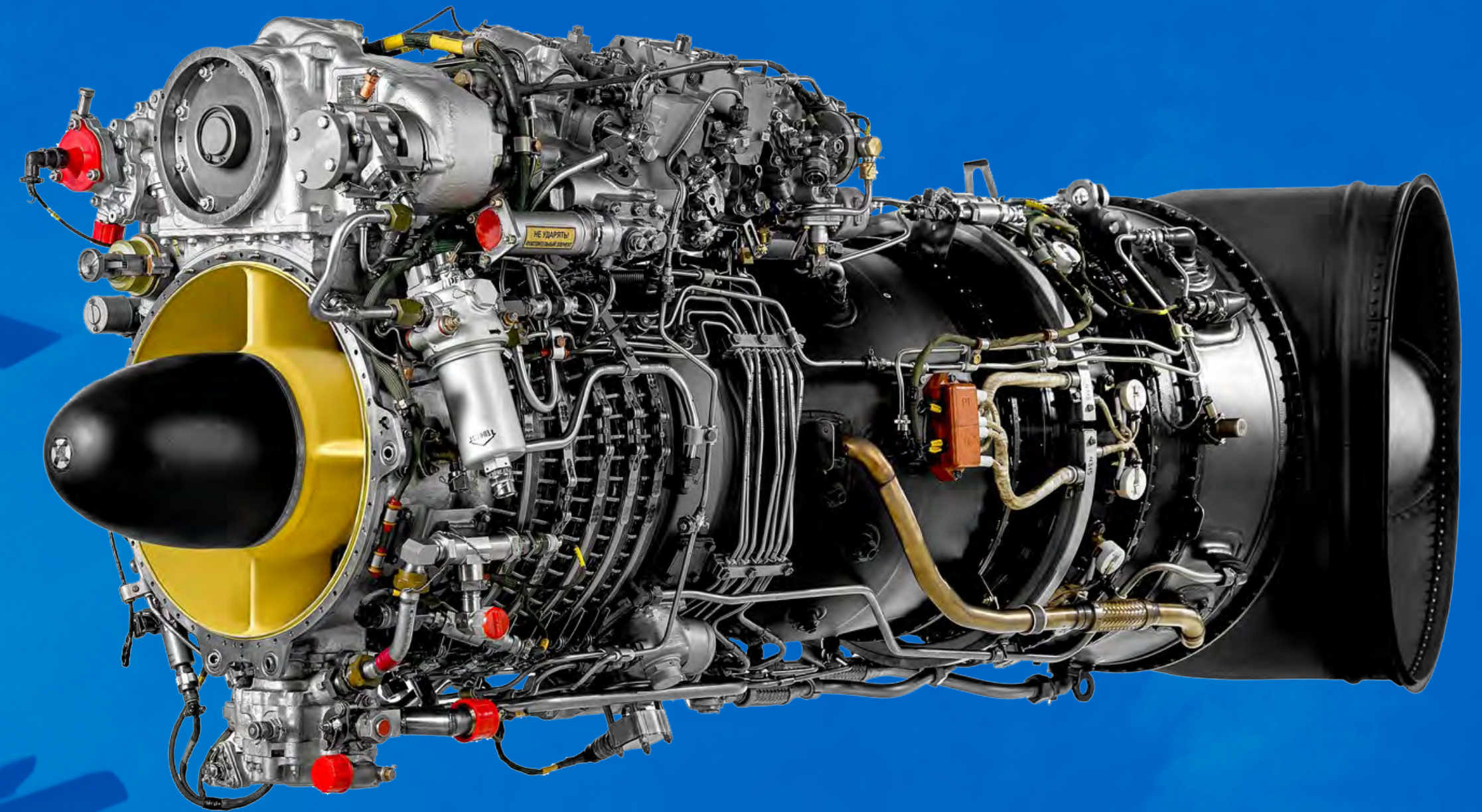
1. Drivehaft Drive
2. Coupling Shaft
3. Input Gearbox
4. Test Unit
5. Test Bed
6. Hydraulic Seal

Примеры чертёжов: BP-14, BP-15, BP-16, BP-17, BP-18, BP-19, BP-20, BP-21, BP-22, BP-23, BP-24, BP-25, BP-26, BP-27, BP-28, BP-29, BP-30, BP-31, BP-32, BP-33, BP-34, BP-35, BP-36, BP-37, BP-38, BP-39, BP-40, BP-41, BP-42, BP-43, BP-44, BP-45, BP-46, BP-47, BP-48, BP-49, BP-50, BP-51, BP-52, BP-53, BP-54, BP-55, BP-56, BP-57, BP-58, BP-59, BP-60, BP-61, BP-62, BP-63, BP-64, BP-65, BP-66, BP-67, BP-68, BP-69, BP-70, BP-71, BP-72, BP-73, BP-74, BP-75, BP-76, BP-77, BP-78, BP-79, BP-80, BP-81, BP-82, BP-83, BP-84, BP-85, BP-86, BP-87, BP-88, BP-89, BP-90, BP-91, BP-92, BP-93, BP-94, BP-95, BP-96, BP-97, BP-98, BP-99, BP-100, BP-101, BP-102, BP-103, BP-104, BP-105, BP-106, BP-107, BP-108, BP-109, BP-110, BP-111, BP-112, BP-113, BP-114, BP-115, BP-116, BP-117, BP-118, BP-119, BP-120, BP-121, BP-122, BP-123, BP-124, BP-125, BP-126, BP-127, BP-128, BP-129, BP-130, BP-131, BP-132, BP-133, BP-134, BP-135, BP-136, BP-137, BP-138, BP-139, BP-140, BP-141, BP-142, BP-143, BP-144, BP-145, BP-146, 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INVERSIA LTD. IS READY TO OFFER COOPERATION

Inversia LLC is offering development, construction of testing facilities for helicopter engines of all modifications TV3-117, VK-2500, main gearbox VR-8, VR-14, as well as maintenance and repair facilities. After sales support throughout the entire life cycle.



CONTACTS



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