

Οι Ρευστοδυναμικές Μηχανές στο Διαδίκτυο:

Από το βιβλίο του Δ. Γ. Παπανίκα **Ρευστοδυναμικές Μηχανές**

8.8.6 Πηγές τεχνικών πληροφοριών και στοιχείων για την μελέτη και κατασκευή εγκαταστάσεων αντλιών

Το τεχνικό-επιστημονικό μέρος του θέματος καλύπτεται σε μεγάλο βαθμό από την ύλη του παρόντος συγγράμματος και την εκτεταμένη βιβλιογραφία του. Ως προς το **μελετητικό και κατασκευαστικό μέρος** πολλά από τα αναφερόμενα βιβλία έχουν οικεία κεφάλαια αρκετά λεπτομερή. Πρόσθετα στοιχεία και ίσως τα περισσότερα ευρίσκονται σε πηγές όπως οι ακόλουθες ενδεικτικές:

1. **Τεχνικά εγχειρίδια** και οδηγίες κατασκευαστικών αντλιών μπορούν να αναζητηθούν στο διαδίκτυο με το αντίστοιχο όνομα, όπως υποδεικνύεται ακολούθως για ορισμένες γνωστές εταιρείες.
2. **KSB** Aktiengesellschaft, Auslegung von Kreiselpumpen, 2005, www.ksb.com.
3. **Sulzer Pumps**, Sulzer Centrifugal Pump Handbook, Elsevier Advanced Technology, www.sulzer.com.
4. **Wilo**, Τεχνικά στοιχεία και ενημερώσεις για αντλίες Wilo, www.wilo.de.
5. **Grundfos**, Τεχνικά στοιχεία και ενημέρωση για αντλίες Grundfos, www.grundfos.com.
6. **Flygt**, Εταιρεία κατασκευής αντλιών, www.flygt.co.uk.
7. **Lowara**, Εταιρεία κατασκευής αντλιών, www.lowara.com.
8. **Halberg**, Grundlagen fuer den Entwurf von Kreiselpumpen, www.sterlingsihi.com.
9. **E.E.T.A.A.**, Οδηγός Αντλιών, Ελληνική Εταιρεία Τοπικής Ανάπτυξης και Αυτοδιοίκησης, 2000.
10. **ΣΜΗΒΕ**, Αντλίες, Σύλλογος Μηχανολόγων Ηλεκτρολόγων Βόρειας Ελλάδας, Θεσσαλονίκη 1985.
11. **Hydraulic Institute USA**, www.pumps.org.
12. **DIN** – Deutsches Institut fuer Normung, Fachbereich Pumpen, www.din.de.
13. **VDMA** – Verband Deutscher Maschinen- und Anlagenbau, Fachgemeinschaft Pumpen, www.vdma.org, <http://pu.vdma.org/>.
14. **CEN** – Comittée Europeen de Normalisation, TC 197 Pumps, www.cen.eu.
15. **ISO** – International Organization for Standardisation, TC Pumps, www.iso.org.
16. Βλ. επίσης την γενική ΒΙΒΛΙΟΓΡΑΦΙΑ του στο Κεφάλαιο 15.

Ιστότοποι κυρίως κατασκευαστών,

έγκυροι, αλλά ενδεικτικής επιλογής για διάφορα είδη Μηχανών:

Rolls-Royce (RR)	www.rolls-royce.com
Alstom	http://www.alstom.com/
Ossberger	http://www.ossberger.de/cms/pt/hydro/ossberger-turbine/
Siemens	www.energy.siemens.com
	https://www.siemens.com/global/en/home/products/energy/power-generation.html
	https://www.energy.siemens.com/hq/en/compression-expansion/
Mitsubishi	www.mpshq.com
Mitsubishi Hitachi Power Systems Europe	www.eu.mhps.com
Pratt & Whitney, a United Technologies Corp. company	http://www.pw.utc.com/
Voith	http://voith.com/en/index.html
Andritz	www.andritz.com
CFM Airsystems	http://www.cfmairsystems.com.au/
Μικρο-Υδροστρόβιλοι	https://energypedia.info/wiki/Micro_Hydro_Power-Manufacturers_worldwide
Hangzhou Hydrotu Engineering	http://www.hydrotu.com/
Pabst	http://www.ebmpapst.com/en/
XINXIANG SIMO BLOWER LD CO.	http://www.simoblower.com/

Hydro technology engineering and construction
<http://www.techydro.it/Hydraulic-Engineering.htm>

GE General Electric

www.gepower.com

Vestas

www.vestas.com/en

EUTurbines Thermal Power Generation based on Gas and Steam Turbines

<http://www.euturbines.eu/publications/press-releases/press-list.html>

MAN Diesel & Turbo

www.mandieselturbo.com

Ansaldo Energia

www.ansaldoenergia.com

Doosan Škoda Power

www.doosanskodapower.com

Solar Turbines Europe

www.solarturbines.com

Turbomachinery Laboratory at Texas A&M,

<http://turbolab.tamu.edu/>

ASME International Gas Turbine Institute ([IGTI](#))

https://community.asme.org/international_gas_turbine_institute_igti/w/wiki/4012.what-is-asme-international-gas-turbine-institute.aspx

Εργαστήρια, Έδρες & Διδάσκοντες σε Α.Ε.Ι. & σε συγγενή Ιδρύματα κατά κανόνα καλλιεργούν ορισμένα ερευνητικά αντικείμενα ή/και ορισμένα είδη Ρευστοδυναμικών Μηχανών λόγω της ευρύτητας του πεδίου εφαρμογών. Αντίστοιχα είναι διαμορφωμένες οι ιστοσελίδες τους, οι οποίες μπορούν να αναζητηθούν π.χ. σε Τμήματα Μηχανολόγων Μηχανικών Πολυτεχνικών Σχολών αλλά και σε άλλους κλάδους, όπως της Υδραυλικής σε τμήματα Πολιτικών Μηχανικών.

Σύντομα το TL-τοlyno θα προσφέρει στους χρήστες τα διεθνώς σημαντικότερα Ακαδημαϊκά sites!

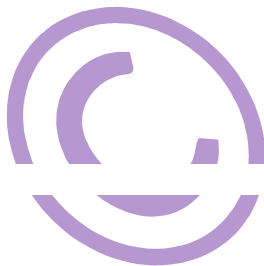
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 ÉCOLE POLYTECHNIQUE FÉDÉRALE DE LAUSANNE EPFL

[Laboratory for Hydraulic Machines LMH](#)

<http://lmh.epfl.ch/>

ETH Zuerich (Eidgenoessische Technische Hochschule)

http://www.lec.ethz.ch/research/turbomachinery_experimental.html



Hitachi
BBC

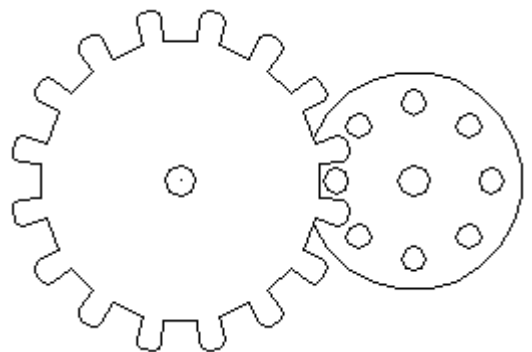
ABB

- Council of Industrial Boiler Owners
- Cooling Technology Institute
- Euroheat & Power, unichal
- International Cogeneration Alliance
- Laboratory for Energy Conversion, Zurich, Switzerland
- National Board of Boiler and Pressure Vessel Inspectors

Information on the boiler and pressure vessel industry including safety, statistics, National Board jurisdictional laws, and general facts about the organization.

- Turbine Cowboy
A website for GE Field Engineering Program (FEP) graduates and other field engineers working in power generation.
- Turbine Inlet Cooling Association
- The Turbomachinery Laboratory at the Texas A&M University

Fans systems LINKS



Pabst <http://www.ebmpapst.com/en/>
 XINXIANG SIMO BLOWER LD CO. <http://www.simoblower.com/>

<http://airproductsequip.com/manufacture-links/>
<http://www.feta.co.uk/associations/hevac/specialist-groups/FMA-links>
<http://www.simoblower.com/products/centrifugal-fan-blower-sintering-machine.html?gclid=Cj0KEQIA5vXEBRChycOI36LPn5EBEiQAJV2-bG5igC6XDswAFgYLIJOjxPoaK1nSn5NW9h-cFN1ggf4aAsXn8P8HAQ>
<http://www.ebmpapst.com/en/>

LINKS HYDRAULIC TURBINES .

links to hydraulic turbine manufacturers

<http://ahec.org.in/links/shp%20directory/Indigenous%20Manufacturers.pdf>
https://energypedia.info/wiki/Micro_Hydro_Power_-_Manufacturers_worldwide
<https://energy.gov/eere/water/types-hydropower-turbines>
<https://www.usbr.gov/power/edu/pamphlet.pdf>
<http://www.windpowermonthly.com/turbine-manufacturers>
<http://www.waterpowermagazine.com/contractors/indexAtoZ.html>
http://www.seismo.ethz.ch/static/sccer-soe/ac_2015/PosterTask3.2.pdf



https://globaljournals.org/GJRE_Volume13/3-Design-Performance-and-Maintenance.pdf
<http://rivers.bee.oregonstate.edu/turbine-sizing>
<http://www.euturbines.eu/about-us/our-members/index.html>
<http://www.power-technology.com/features/feature-the-10-biggest-hydroelectric-power-plants-in-the-world/>
<http://www.power-technology.com/features/feature-top-10-biggest-offshore-wind-farms-uk/>
<http://www.power-technology.com/features/feature-the-top-10-biggest-thermal-power-plants-in-india/>

<http://www.wire-net.org/pdf/WindEnergyMFGSupplierHandbook.pdf>

<http://lmh.epfl.ch/>

[Laboratory for Hydraulic Machines LMH](#)

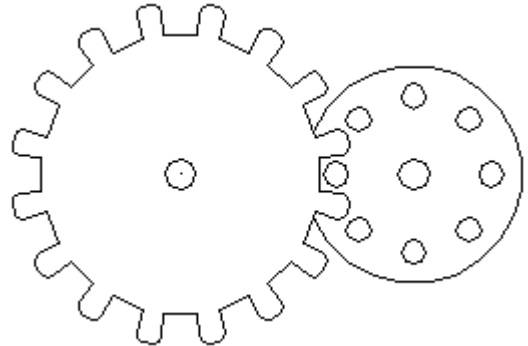
www.gepower.com

www.vestas.com/en

<http://primeserv.man.eu/home>

PCA Engineers Limited

Useful Links PCA Engineers Limited



The following links provide useful contacts for our site

visitors. They include PCA's partners, European Union consortium projects in which PCA is a participant and learned engineering institutions.

- [Ansys](#)



PCA's partner in the application of CFD tools in turbomachinery design and the development of turbomachinery design tools within the CFD modelling environment.

- Information on [Turbo](#).
- More general information on [Fluids](#).
- Information on [CFX](#) ANSYS's 3D CFD.

[Visit Ansys's website](#)

- [Turbocam International](#)



PCA's close associate in the manufacture of turbomachinery components such as impellers and radial turbine wheels.

[Visit Turbocam International's website](#)

- [European Turbomachinery Conference](#)



The 11th European Conference on Turbomachinery Fluid Dynamics and Thermodynamics ETC 11 will be held on March 23 – 26, 2015 in Madrid, Spain.

The scope of the conference covers the scientific and engineering outcomes concerning the fluid dynamic, thermodynamic, performance and stability aspects in the design, development and operation of axial, mixed flow and radial turbomachines.

[Visit European Turbomachinery Conference's website](#)

- [**NAFEMS**](#)



UK national organisation for the application of finite element techniques in structural analysis.

[Visit NAFEMS's website](#)



- ASME International Gas Turbine Institute ([**IGTI**](#))

https://community.asme.org/international_gas_turbine_institute_igti/w/wiki/4012.what-is-asme-international-gas-turbine-institute.aspx

[Visit IGTI's website](#)

- [**IMechE**](#)



Institution of Mechanical Engineers.

[Visit IMechE's website](#)

- [**TJS Online Ltd**](#)



TJS's home website: TJS built the PCA Engineers Limited website.

[Visit TJS Online Ltd's website](#)

- [**EngNet**](#)

A directory for engineering services.

[Visit EngNet's website](#)

<http://www.elliott-turbo.com/training>

Elliott Turbomachinery

- [**Compressors**](#)
 - [Centrifugal Compressors](#)
 - [Single-Stage Compressors](#)
 - [Multi-Stage Centrifugal Compressors](#)
 - [Axial Compressors](#)
- [**Steam Turbines**](#)
 - [YR Steam Turbines](#)
 - [Pneumatic Trip System](#)
 - [Multi-Valve Steam Turbines](#)
 - [High-Speed Steam Turbines](#)

[Steam Turbine Generator Sets](#)

- [PRV Replacement](#)
- [Steam Turbine Generator RFQ Guidelines](#)
- [Power Recovery Expanders](#)
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[System Packaging](#)

- [Lubrication, Seal & Piping Systems](#)
- [Industrial Lube Oil Systems](#)
- [Control Systems](#)
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[Parts](#)

- [Spare Parts Depots](#)
- [Parts Inquiry](#)

<http://dieselturbo.man.eu/>

Pages in category "Gas turbine manufacturers"

The following 16 pages are in this category, out of 16 total. This list may not reflect recent changes (learn more).

A

- Allison Engine Company
- Avio

C

- Capstone Turbine

G

- GE Aviation

I

- International Aero Engines

M

- MTU Aero Engines

N

- NPO ELSIB
- NPO Saturn

P

- Power Machines
- Price Induction

R

- Ruston (engine builder)

S

- Siemens Energy Sector
- Snecma

- Solar Turbines

T

- Turbomeca

Z

- Zorya-Mashproekt

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Categories:

- Manufacturing companies
- Gas turbines

SUPER LINKS !!

<http://www.softinway.com/machine-type/axial-pump/>

<http://www.softinway.com/machine-type/axial-compressor/>

<http://www.softinway.com/software-functions/bearing-design/>

<http://www.softinway.com/machine-type/turbochargers/>

<http://www.softinway.com/machine-type/axial-turbine/>

<http://www.softinway.com/software-functions/rotor-dynamics/>

ΠΟΛΥ ΚΑΛΟ!!!!

<http://www.softinway.com/education/articles-and-technical-papers/>

<http://www.softinway.com/about-us/success-stories/>

<http://www.softinway.com/engineering-services/complete-design-process/>

<http://learn.softinway.com/>

<http://www.softinway.com/>

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<http://www.softinway.com/wp-content/uploads/2016/10/Corporate-Brochure.pdf>

https://www.cfd-online.com/Wiki/Best_practice_guidelines_for_turbomachinery_CFD

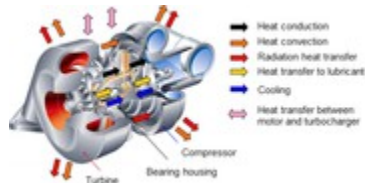
<http://www.geaviation.com/>

<http://www.pratt-whitney.com/>

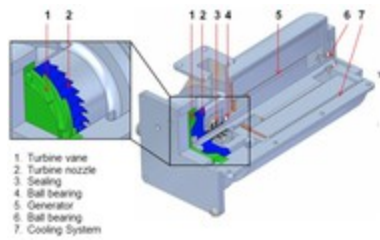
<http://www.rolls-royce.com/>

<http://www.safran-aircraft-engines.com/satellite-propulsion-future-electric>
<http://www.npo-saturn.ru/new/?slang=1>

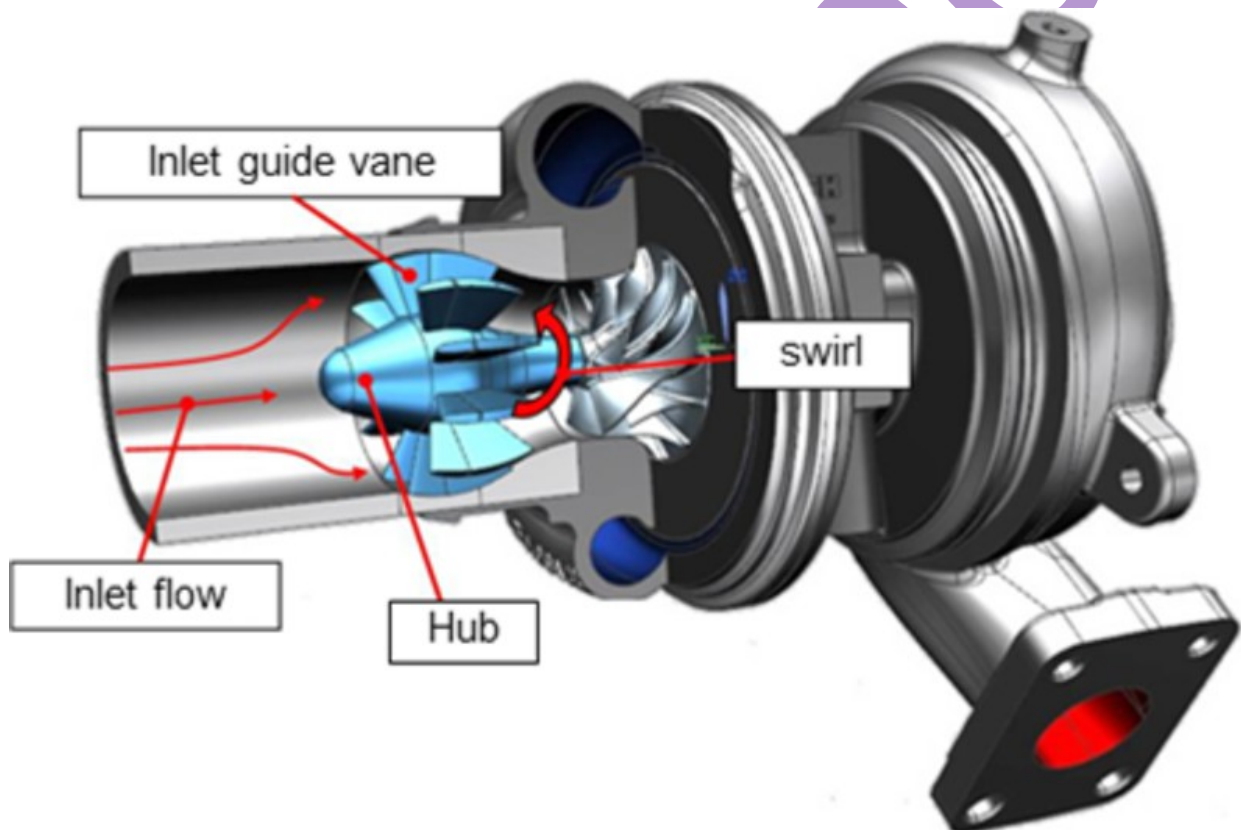
Inlet Guide Vanes for the Centrifugal Compressor of a Turbocharger

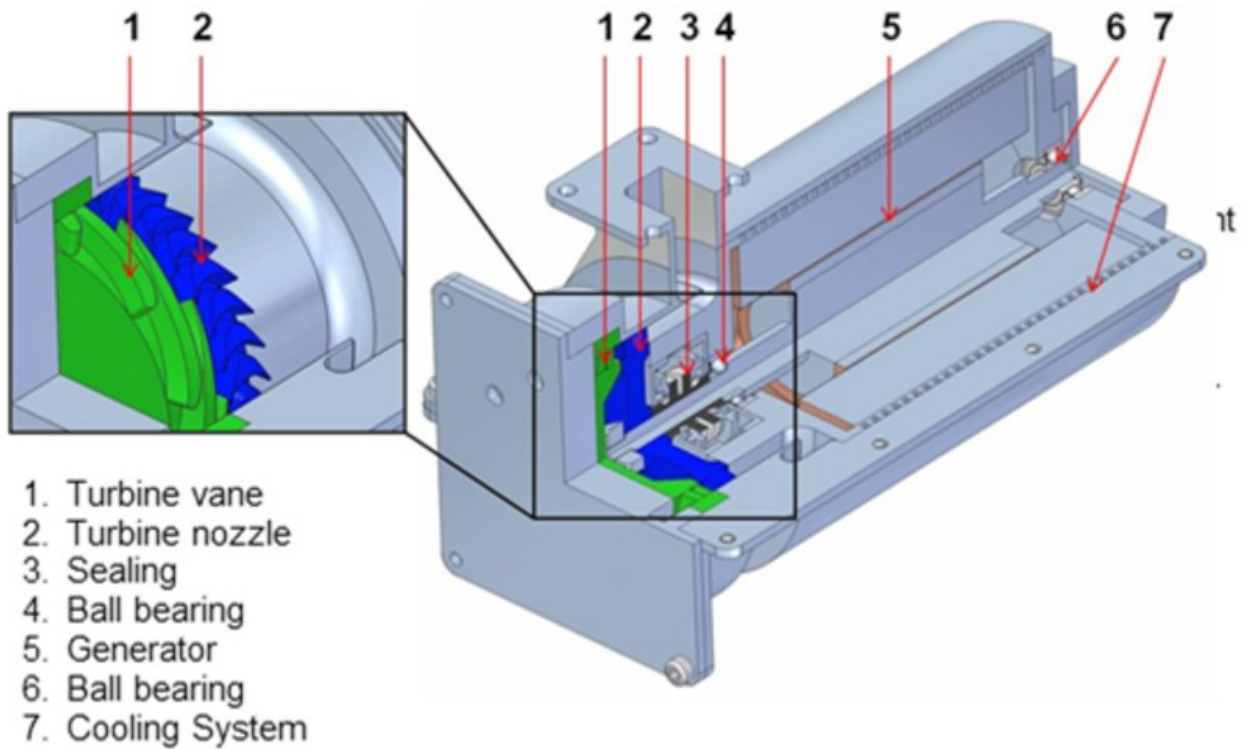
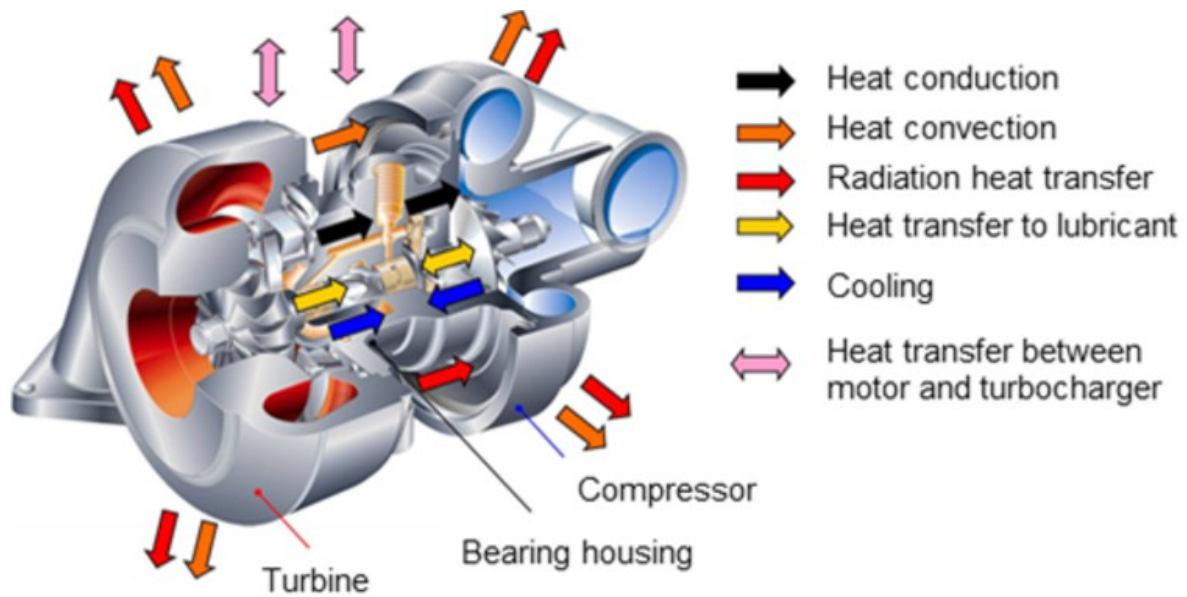


Diabatic Behavior: Heat Flow in the Turbocharger

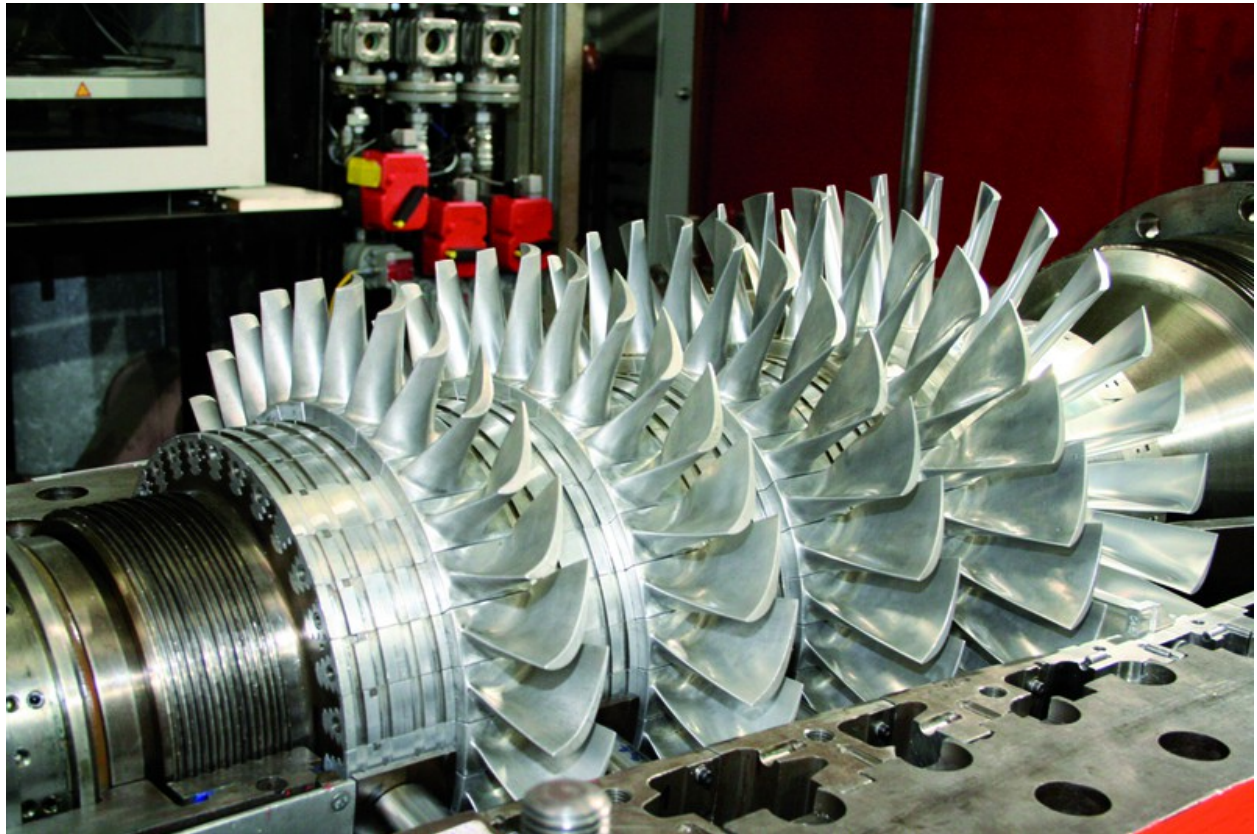


Impulse turbine for recovering the waste heat of a commercial vehicle engine





https://www.tfd.uni-hannover.de/turbolader_radialverdichter0.html?&L=1



<https://www.tfd.uni-hannover.de/turbine0.html?&L=1>

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<http://www.geaviation.com/>

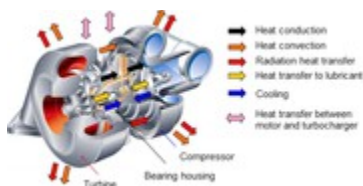
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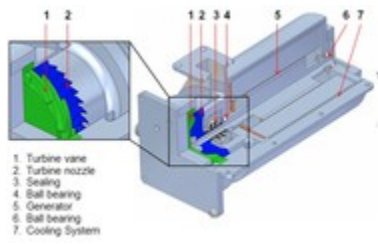
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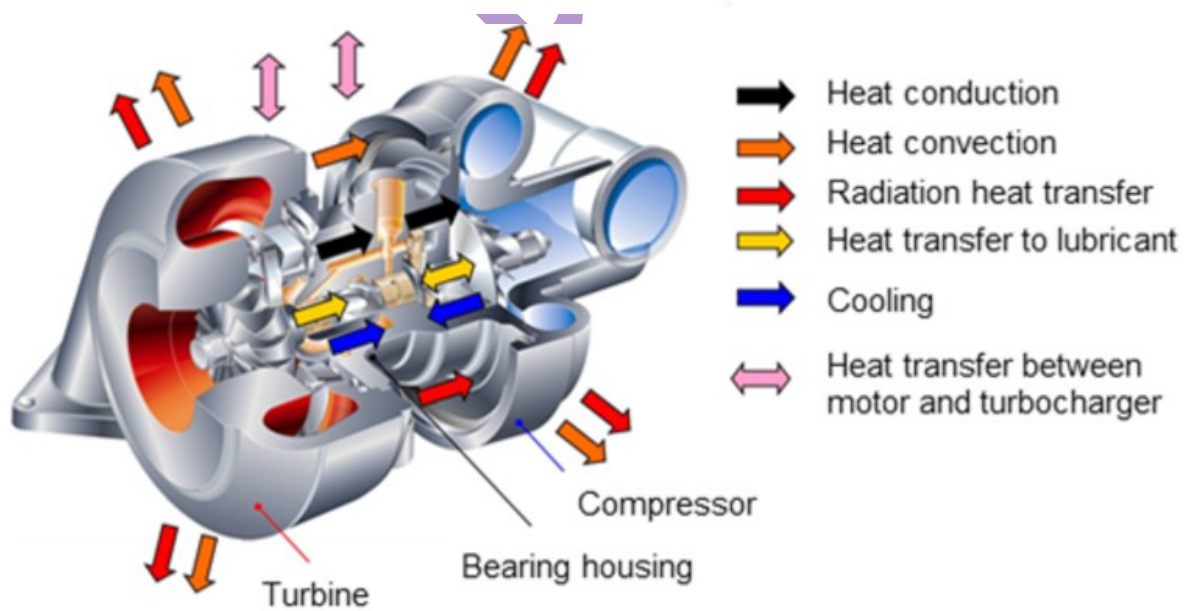
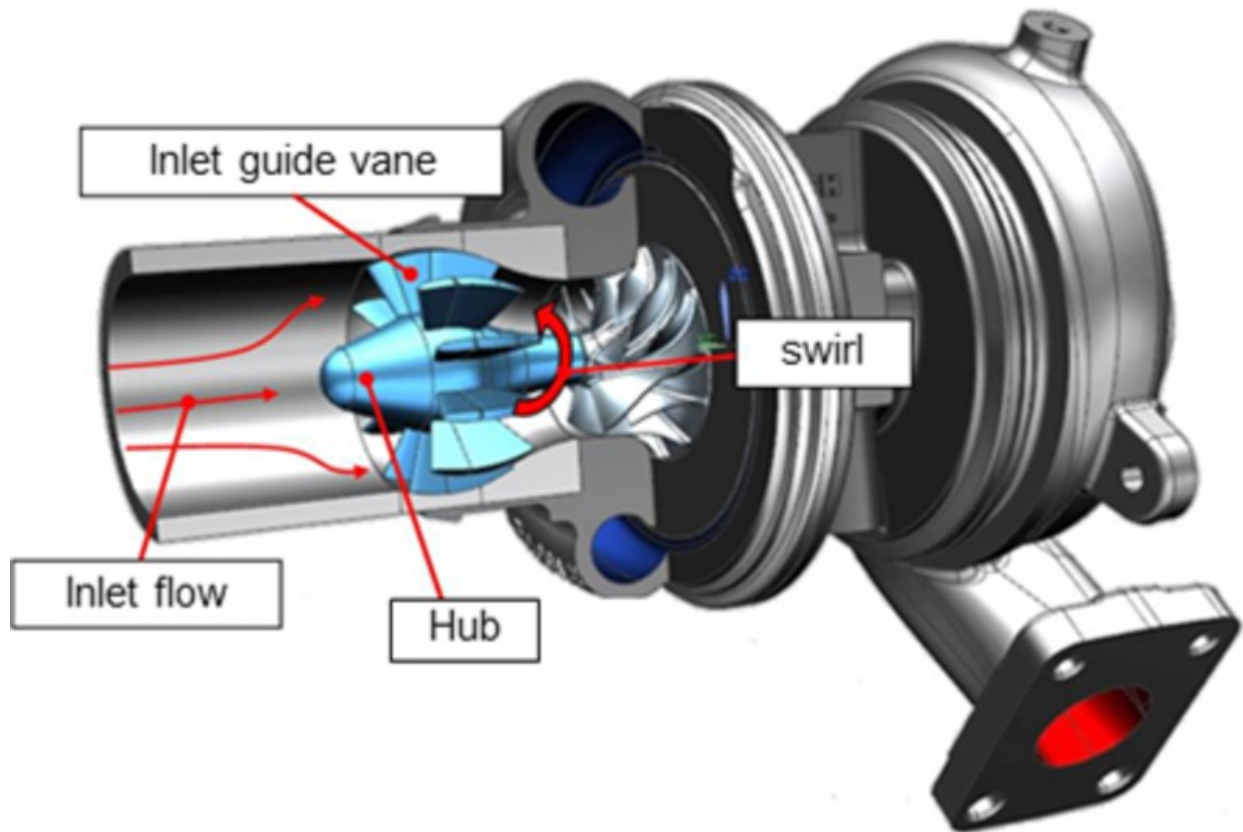


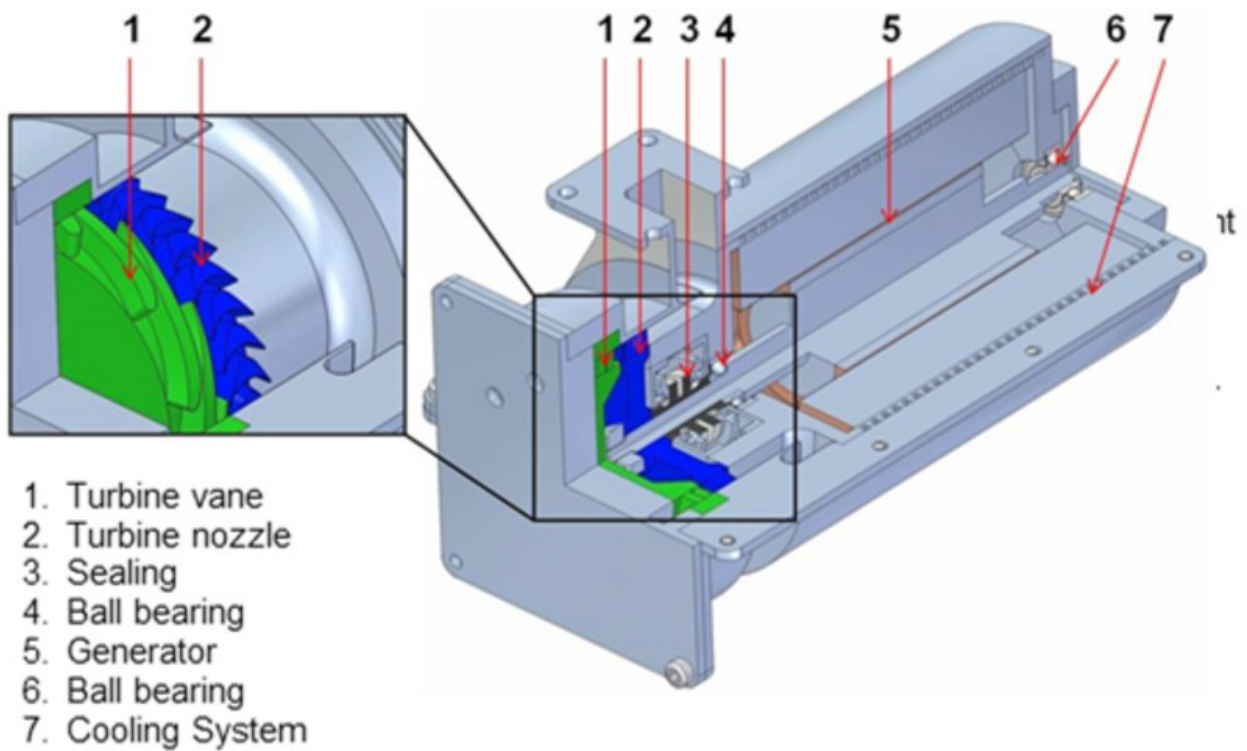
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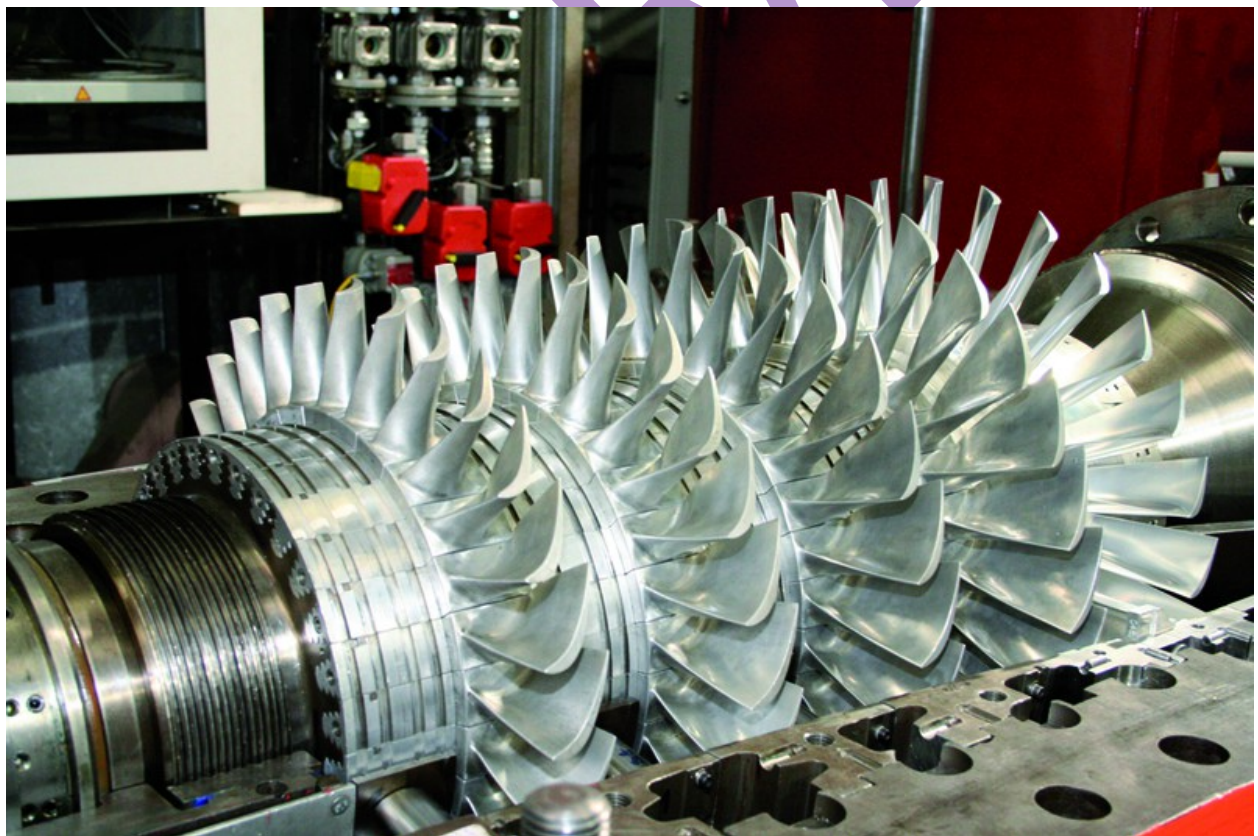
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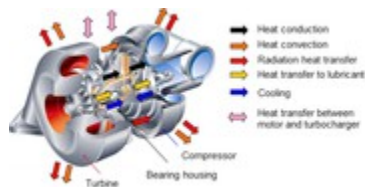
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<http://www.rolls-royce.com/>

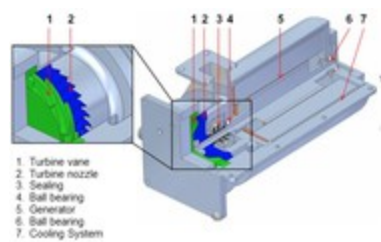
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<http://www.npo-saturn.ru/new/?slang=1>

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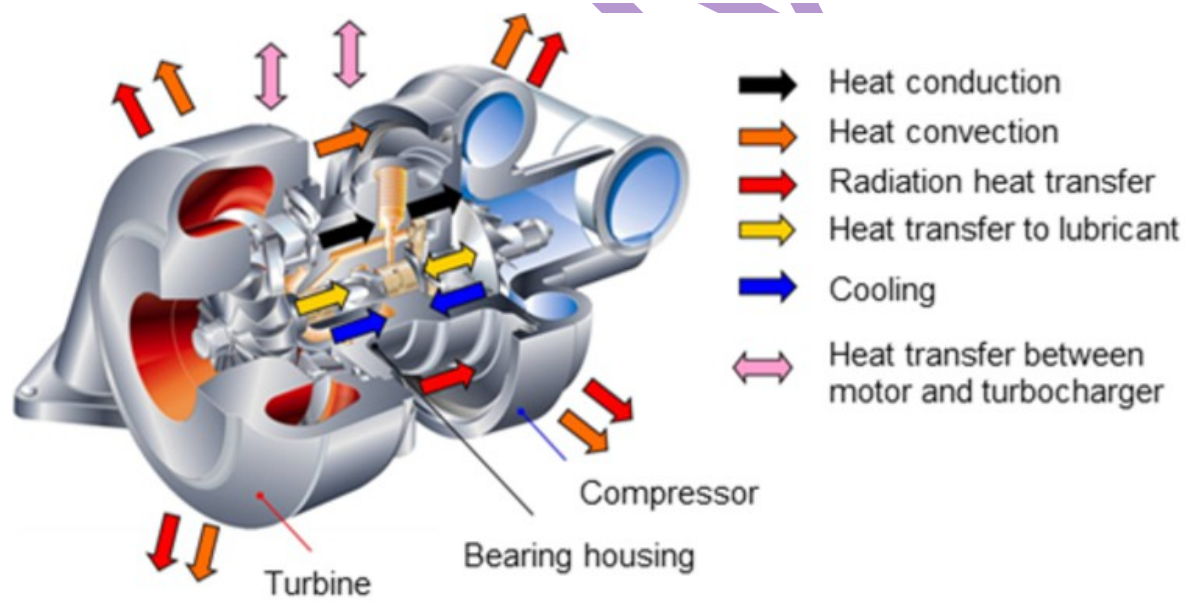
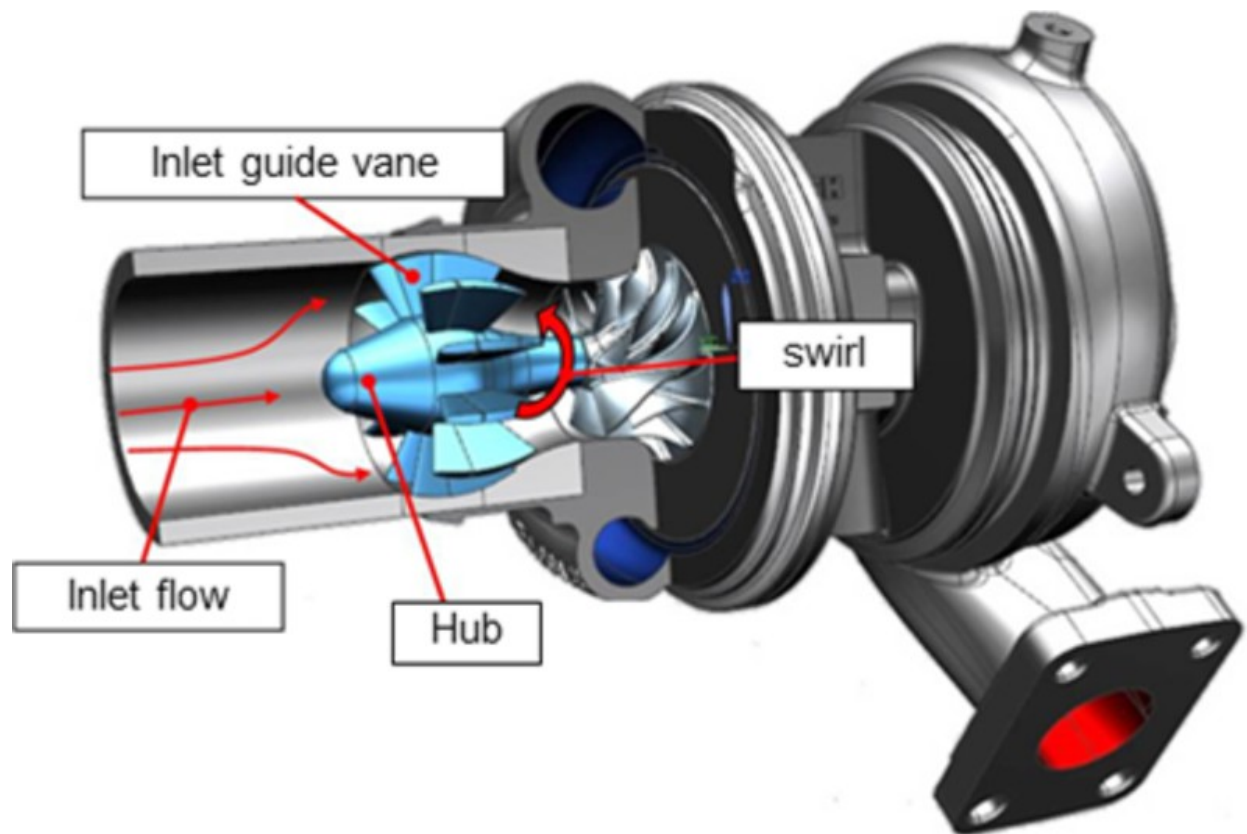


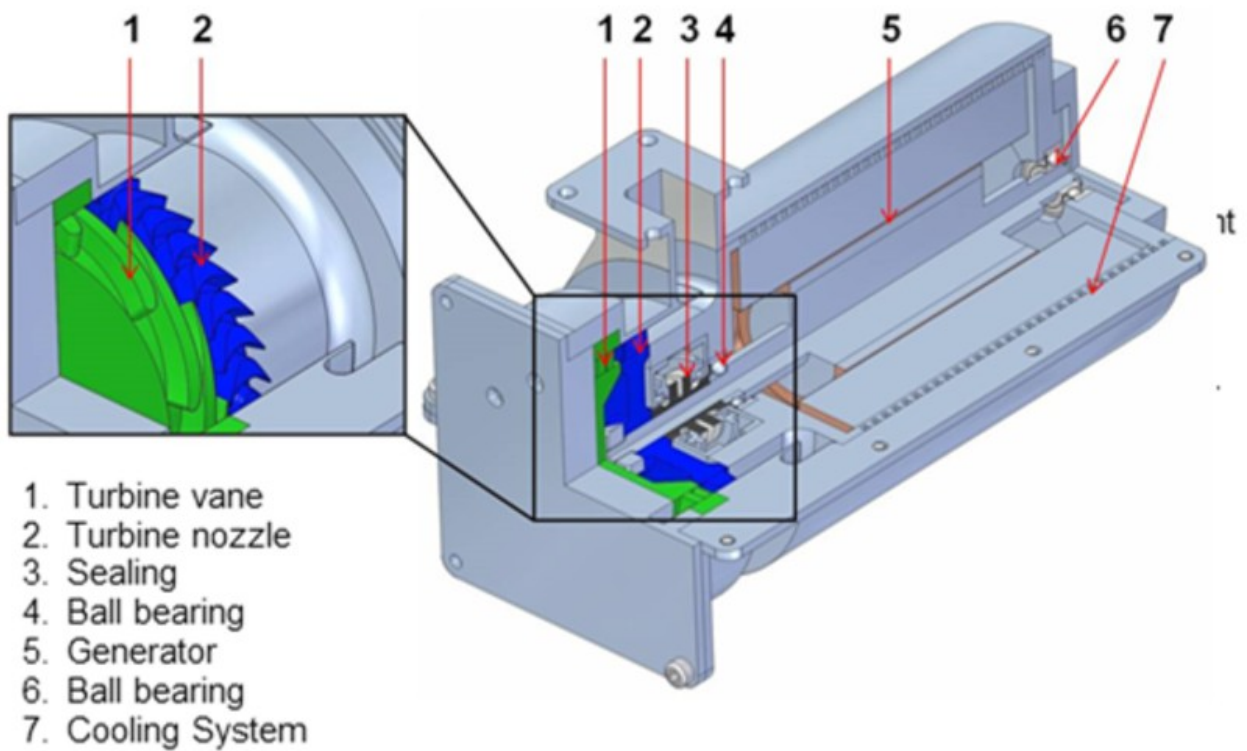
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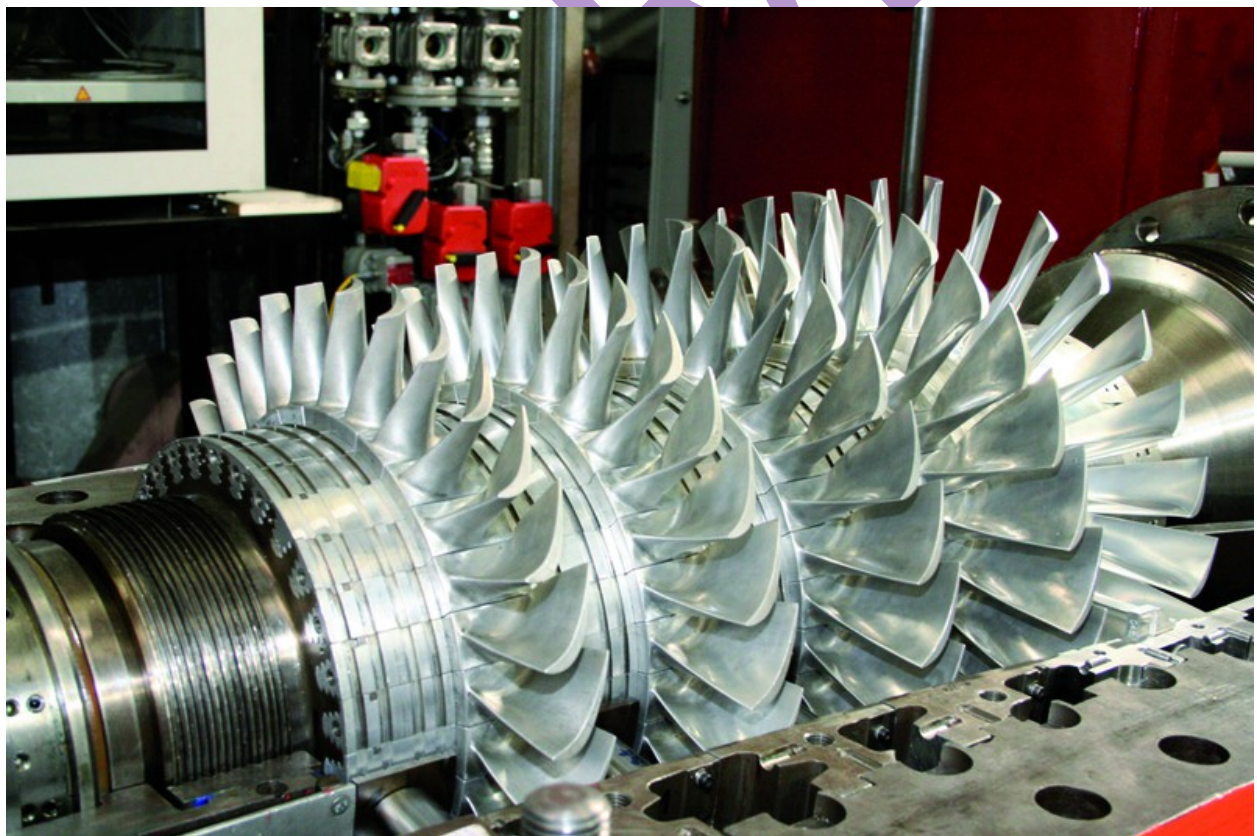
engine

Impulse turbine for recovering the waste heat of a commercial vehicle





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