

# COMPANY INTRODUCTION

**JDK** Company  
was established in 1991 by brothers **J**iri & **D**usan **K**rivsky

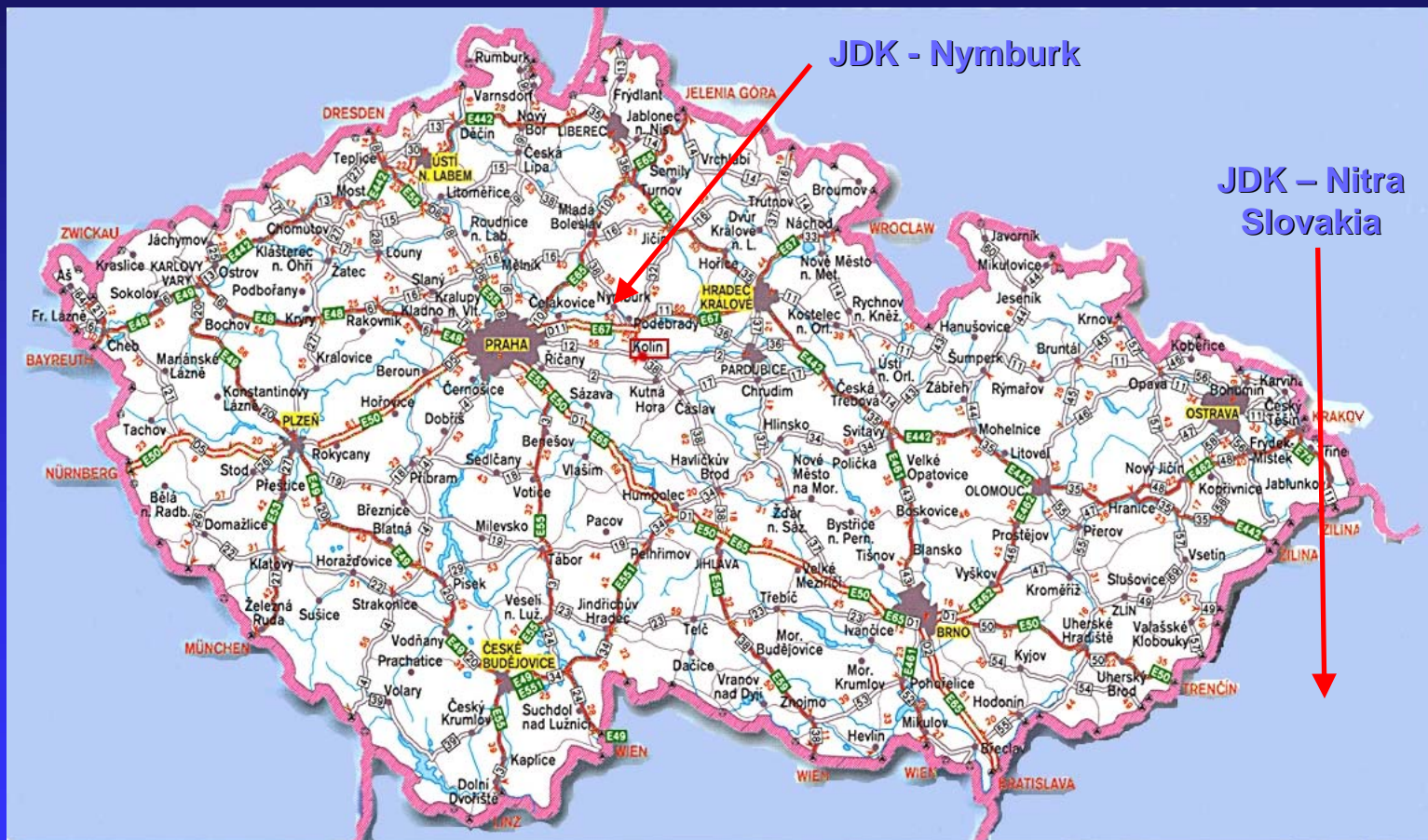


# Company Profile

- Design, development, application & production of refrigeration technology
- Established in 1991
- 67 people
- Location :
  - Nymburk Czech Republic (headquarters, production)
  - Nitra Slovak Republic (sales office)
- ISO 9001:2000 certificate
- Annual Sales volume 8 mil EUR

# Location

Company introduction



# Vision

Apply new technology and processes.

To supply high quality full controlled product, with professional installation and for competitive price.

Provide professional service and customer support.

# JDK Products

- Condensing units
- Compressor packs
- Water chillers
- Parallel (Twin) units
- Controllers
- Control boxes
- Special customized units for industry and research (parallel, 2 stage, for Ex environment, etc...)

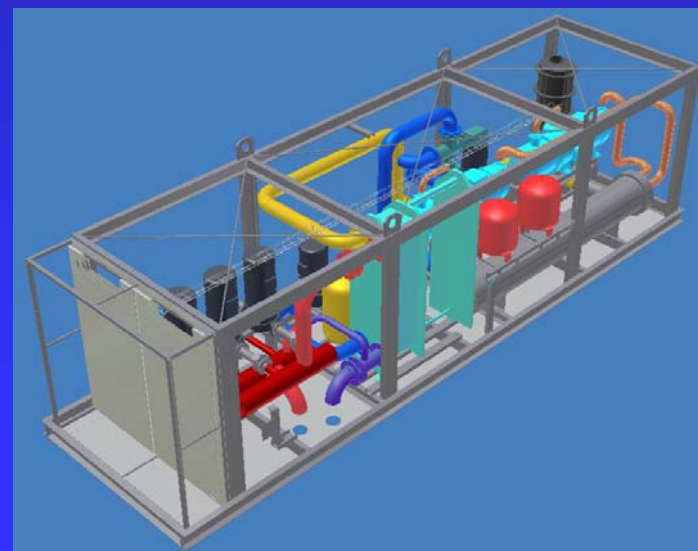


# JDK Processes

- Sales & Marketing, Customer service
- Design & Development
- Application Engineering, customer support
- Material sourcing
- Production (frame & housing production, assy line, electrical assy)
- Quality control
- Financial & IT dpt.
- Installation & Service dpt.

# Design & Development

- 3D CAD system (mechanical & refrigeration)
- ELCAD system (electrical wiring & schematic diagrams)
- Heat Load Calculation SW (Bilance)
- Application layouts (refrigeration componets, pipes)
- Literature
- Prototype shop & Test room



# Condensing units - standard

- Cooling/freezing +5 to – 27°C
- Cooling capacity 1.5 - 70 kW
- Freezing capacity 1 - 30 kW
- Refrigerant R134a, R404A
- Hermetic compressor
- Semihermetic compressor
- Air condenser
- Receiver tank
- HPCO, LPCO switch
- Electrical box
- Leak check
- CE declaration





# Condensing units - options

- Filtrdrier
- Sight glass
- Solenoid
- Oil separator
- Heat recovery
- Noise cover
- Fans speed control



# Compressor packs

- Indoor/outdoor
- Hermetic compressor
- Semihermetic compressor
- Refrigerant R404A
- Cooling capacity control
- Oil management system
- Microprocesor control system
- Back up system



# Water chillers

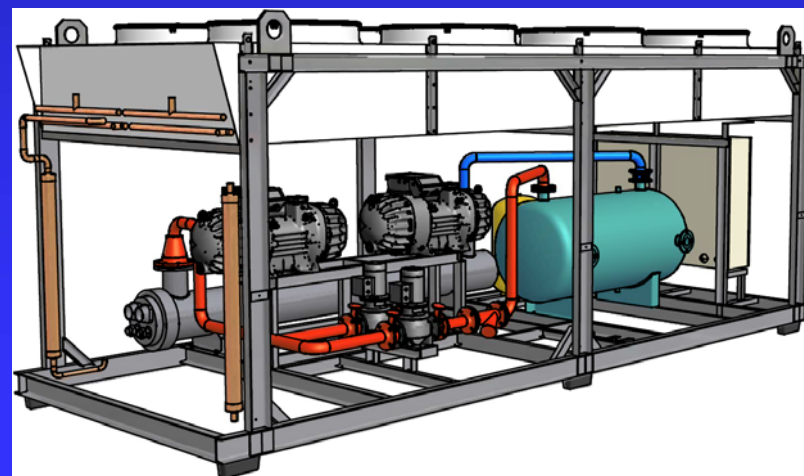
## Application:

- Cool down process water
- Plastic injection machines
- Air conditioning

- Capacity 1 to 800 kW
- Refrigerant R407C, R404A
- Plate or tube evaporator
- Air condenser coil
- Controller

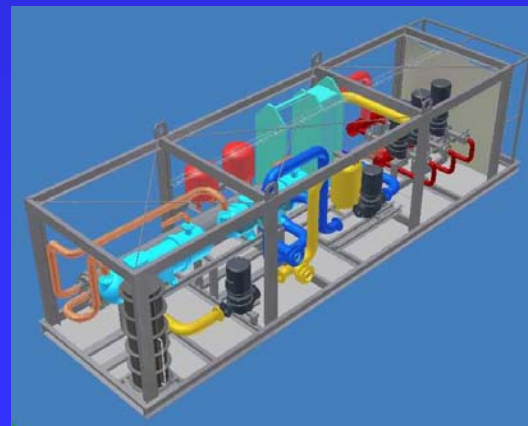
## Optional:

- Water pump kit
- Accumulation tank
- Heat recovery
- Remote condenser



# Water chillers - continuing

- Industrial units
  - Dairy works – ice water





# Water chillers - continuing

- Industry units
  - Process water
  - Fruit storage (indirect cooling)





# Water chillers - continuing

- Industrial units – Ice-ring

Product



# Control boxes

- Compressor ON/OFF control
- Step capacity control
- Stepless capacity control
- Refrigerant level watching
- Temperature alarms
- Remote cooling technology monitoring

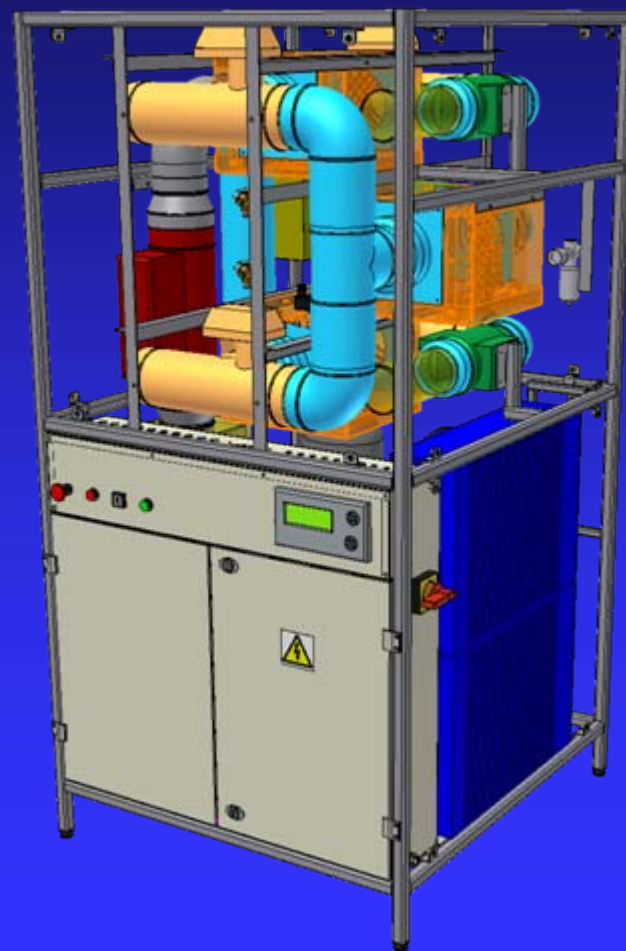
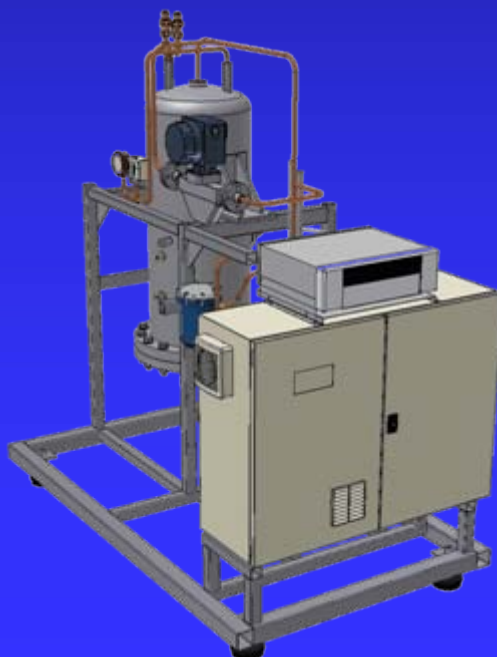


# Special products

- Fast freezing units (food industry)
- Deep freezing units
- Two stage units (Low temperature)
- Units for explosive environment
- Solvent vapor condensing (VOC)
- Precise air conditioning (independent temperature & humidity control)
- Test and laboratory equipments for R&D centers

# Special products

- Precise air conditioning (independent temperature & humidity control)
- Test and laboratory equipments for R&D centers
- CO<sub>2</sub> liquid cooling





# Reference List



- HOPI, NOWACO, Ice River, EUROICE – food stores CR, SK
- Crocodile Prague – food production  
- ICPIAF TRADE – chillers for food production - RO
- Delvita, Ahold, Tesco, Lidl, Globus, Plus Discont – CR, SK, PL, HU  
- Brewery chillers - Albania, Kazakhstan, Honduras
- ZOO Prague - botanic gardens, Indonesia jungle 
- TOP Farm – potatoes stores PL, HU
- Milk processing chillers – Sedlcany, Bohusovice, Podebrady, Levice
- XAVEROV – chillers hatchery   
- KOPOS Kolin – plastic injection
- Parker Chomutov – chiller 
- CTK Prague – print agency 



# Reference List – Cont's

- FONTEA Veseli – plastic injection
- JUTON Usti nad Labem – paint production
- SYNTHESIA Pardubice – chemical production
- Kaucuk Kralupy – chemical production
- TOS Celakovice – machine tool production
- INGERSOLL-RAND, Thermo King – R&D testrooms
- Electric Emmerson – Copeland – Compressor test room
- ELMARCO – special product



- Mobile ICE-RING – chillers, Brno (3), Karlovy Vary, Turnov, Vrbno pod Pradedem, Prague – Karlin, Kolin
- ICE-RING – chillers, Trencin, Kralupy n/Vltavou, Hodonin, CR, SK, Moscau, Volgograd, RU

# Reference List – Cont's



Indonesia jungle



# Reference List – Cont's



ICE-RING Kralupy

